HT-ST7
SA-ST7

SERVICE MANUAL

Ver. 1.0 2013.06

US Model
Canadian Model
AEP Model
UK Model
Australian Model



- All of the units included in the HT-ST7 (SA-ST7/SA-WST7/EZW-RT50) are required to confirming operation of SA-ST7. Check in advance that you have all of the units.

COMPONENT MODEL NAME

	HT-ST7
Sound Bar (Active Speaker System)	SA-ST7
Subwoofer (Active Subwoofer)	SA-WST7
Wireless transceiver	EZW-RT50

- Please refer to service manual separately issued for Subwoofer. As for EZW-RT50, the part number has been described to this service manual.

SPECIFICATIONS

Amplifier section

U.S. models:
POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
(FTC)
Front L + Front R:
With 4 ohms loads, both channels driven, from 200 - 20,000 Hz; rated 25 Watts per channel minimum RMS power, with no more than 1% total harmonic distortion from 250 milliwatts to rated output.
POWER OUTPUT (reference)
Front L/Front R speaker blocks: 50 Watts (per channel at 4 ohms, 1 kHz)
Center speaker block: 50 Watts (per channel at 4 ohms, 1 kHz)

Canadian models:
POWER OUTPUT (rated)
Front L + Front R: 35 W + 35 W
(at 4 ohms, 1 kHz, 1 % THD)
POWER OUTPUT (reference)
Front L/Front R speaker blocks: 50 Watts (per channel at 4 ohms, 1 kHz)
Center speaker block: 50 Watts (per channel at 4 ohms, 1 kHz)

AEP, UK and Australian models:
POWER OUTPUT (rated)
Front L + Front R: 40 W + 40 W
(at 4 ohms, 1 kHz, 1 % THD)
POWER OUTPUT (reference)
Front L/Front R speaker blocks: 50 Watts (per channel at 4 ohms, 1 kHz)
Center speaker block: 50 Watts (per channel at 4 ohms, 1 kHz)

Inputs
HDMI IN 1/2/3*
OPTICAL IN 1(TV)/2
ANALOG IN
COAXIAL IN
* These 3 jacks are identical. Using any of them makes no difference.
Output
HDMI TV OUT (ARC)

BLUETOOTH section

Communication system
BLUETOOTH Specification version 3.0
Output
BLUETOOTH Specification Power Class 2
Maximum communication range
Line of sight approx. 10 m (33 ft)[1)]
Maximum number of devices to be registered
9 devices
Frequency band
2.4 GHz band (2.4000 GHz - 2.4835 GHz)
Modulation method
FHSS (Freq Hopping Spread Spectrum)
Compatible BLUETOOTH profiles[2)]
A2DP (Advanced Audio Distribution Profile)
AVRCP 1.3 (Audio Video Remote Control Profile)
Supported Codecs[3)]
SBC[4)], AAC[5)], aptX
Transmission range (A2DP)
20 Hz - 20,000 Hz (Sampling frequency 44.1 kHz)

1) The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, cordless phone, reception sensitivity, operating system, software application, etc.
2) BLUETOOTH standard profiles indicate the purpose of BLUETOOTH communication between devices.
3) Codec: Audio signal compression and conversion format
4) Subband Codec
5) Advanced Audio Coding

Front L/Front R speaker blocks

Speaker system
2-way speaker system, Acoustic suspension
Speaker
Woofer: 65 mm (2 5/8 in) cone type, Magnetic fluid speaker
Tweeter; 20 mm (13/16 in) dome type
Rated impedance
4 ohms

Center speaker block

Speaker system
Full range speaker system, Acoustic suspension
Speaker (5 speakers)
65 mm (2 5/8 in) cone type, Magnetic fluid speaker
Rated impedance
4 ohms

General

Power requirements
120 V AC, 60 Hz (US and Canadian models)
220 V - 240 V AC, 50 Hz/60 Hz
(AEP, UK and Australian models)
Power consumption
On: 50 W (US and Canadian models)
On: 55 W (AEP, UK and Australian models)
"Control for HDMI" is off (Standby mode): 0.5 W or less
BLUETOOTH Standby mode: 0.5 W or less
Dimensions (approx.) (w/h/d)
1,080 mm × 109 mm × 110 mm (42 5/8 in × 4 3/8 in × 4 3/8 in)
(without grille frame, without stands)
1,080 mm × 109 mm × 129 mm (42 5/8 in × 4 3/8 in × 5 1/8 in)
(with grille frame, without stands)
1,080 mm × 129 mm × 138 mm (42 5/8 in × 5 1/8 in × 5 1/2 in)
(with grille frame, with stands)
1,080 mm × 129 mm × 130 mm (42 5/8 in × 5 1/8 in × 5 1/8 in)
(without grille fr am e, with stands)
Mass (approx.)
7.9 kg (17 lb 6 5/8 oz) (with grille frame, with stands)

Wireless transceiver (EZW-RT50)

Communication System
Wireless Sound Specification version 1.0
Frequency band
5.736 GHz - 5.814 GHz (US and Canadian models)
5.725 GHz - 5.875 GHz (AEP, UK and Australian models)
Power requirements
DC 3.3 V, 300 mA
Modulation method
DSSS
Dimensions (approx.)
30 mm × 9 mm × 60 mm (1 3/16 in × 3/8 in × 2 3/8 in) (w/h/d)
Mass (approx.)
10 g (3/8 oz)

Digital audio input formats supported by the system

Dolby Digital	DTS-HD Master Audio*
Dolby Digital Plus*	DTS-HD High Resolution Audio*
Dolby TrueHD*	DTS-HD Low Bit Rate*
DTS	Linear PCM 2ch 48 kHz or less
DTS 96/24	Linear PCM Maximum 7.1ch 192 kHz or less*

* It is possible to input these formats only with HDMI connection.

– Continued on next page –

HT-ST7
HOME THEATRE SYSTEM
SA-ST7
ACTIVE SPEAKER SYSTEM

9-893-769-01
2013F33-1

Sony Corporation
Published by Sony Techno Create Corporation

SONY®

Video formats supported by the system

Input/Output (HDMI Repeater block)

File	2D	3D		
		Frame packing	Side-by-Side (Half)	Over-Under (Top-and-Bottom)
4096 × 2160p @ 23.98/24 Hz	○	–	–	–
3840 × 2160p @ 29.97/30 Hz	○	–	–	–
3840 × 2160p @ 25 Hz	○	–	–	–
3840 × 2160p @ 23.98/24 Hz	○	–	–	–
1920 × 1080p @ 59.94/60 Hz	○	–	○	○
1920 × 1080p @ 50 Hz	○	–	○	○
1920 × 1080p @ 29.97/30 Hz	○	○	○	○
1920 × 1080p @ 25 Hz	○	○	○	○
1920 × 1080p @ 23.98/24 Hz	○	○	○	○
1920 × 1080i @ 59.94/60 Hz	○	○	○	○
1920 × 1080i @ 50 Hz	○	○	○	○
1280 × 720p @ 59.94/60 Hz	○	○	○	○
1280 × 720p @ 50 Hz	○	○	○	○
1280 × 720p @ 29.97/30 Hz	○	○	○	○
1280 × 720p @ 23.98/24 Hz	○	○	○	○
720 × 480p @ 59.94/60 Hz	○	–	–	–
720 × 576p @ 50 Hz	○	–	–	–
640 × 480p @ 59.94/60 Hz	○	–	–	–

Accesseries
Grille frame (1)
Remote control (1)
R03 (size AAA) batteries (2)
Digital optical cable for a TV (1)
IR blaster (1)
Stands (2) and screws (2)
Wireless transceivers (2)
Operating Instructions (1)
Reference Guide (1)

Design and specifications are subject to change without notice

- Standby power consumption: 0.5 W or less (Bar Speaker), 0.5 W or less (Subwoofer)
- Over 85% power efficiency of amplifier block is achieved with the full digital amplifier, S-Master.

Copyrights

This system incorporates Dolby* Digital and the DTS** Digital Surround System.

* Manufactured under license from Dolby Laboratories.
Dolby, and the double-D symbol are trademarks of Dolby Laboratories.

** Manufactured under license under U.S. Patent Nos: 5,956,674; 5,974,380; 6,226,616; 6,487,535; 7,212,872; 7,333,929; 7,392,195; 7,272,567 & other U.S. and worldwide patents issued & pending.
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NOTES ON CHIP COMPONENT REPLACEMENT

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

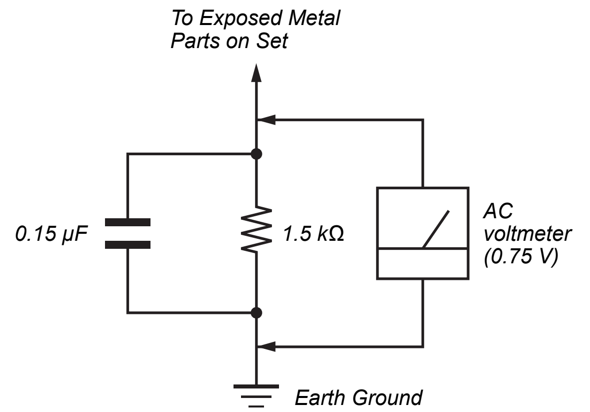


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

TABLE OF CONTENTS

Accessories are given in the last of the electrical parts list.

SECTION 1
SERVICING NOTES

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(**Caution:** Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

ADVANCE PREPARATION WHEN CONFIRMING OPERATION

All of the units included in the HT-ST7 (SA-ST7/SA-WST7/EZW-RT50) are required to confirming operation of SA-ST7. Check in advance that you have all of the units.

NOTE OF PERFORMING THE OPERATION CHECK IN THE STATE THAT HEAT SINK WAS REMOVED

When performing the operation check in the state that this unit was disassembled, it is possible to perform the operation check in the state that heat sink was removed. But don't perform the operation check in the long time, and perform the operation check in the volume state as low as possible.

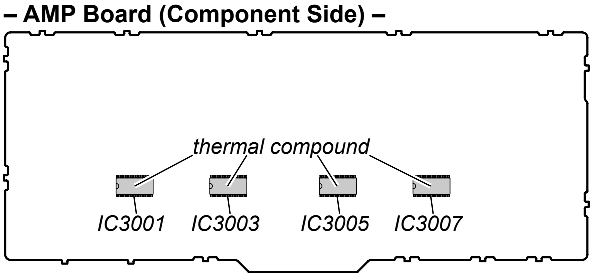
NOTE OF REPLACING THE IC3506 ON THE MAIN BOARD

IC3506 on the MAIN board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

NOTE OF REPLACING THE IC3001, IC3003, IC3005 AND IC3007 ON THE AMP BOARD AND THE COMPLETE AMP BOARD

When IC3001, IC3003, IC3005 and IC3007 on the AMP board and the complete AMP board are replaced, it is necessary to spread the compound between the AMP board and the heat sink.
Spread the compound referring to the figure below.

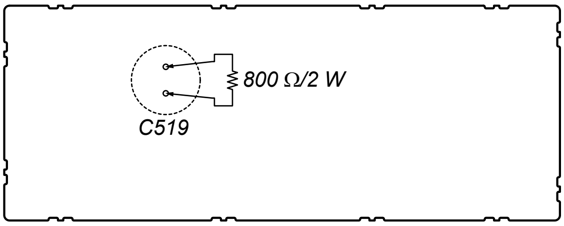
– AMP Board (Component Side) –



CAPACITOR ELECTRICAL DISCHARGE PROCESSING

When checking the board, for the electric shock prevention, connect the resistors to both ends of respective capacitor (C519) to discharge the capacitor (C519).

– POWER Board (Conductor Side) –



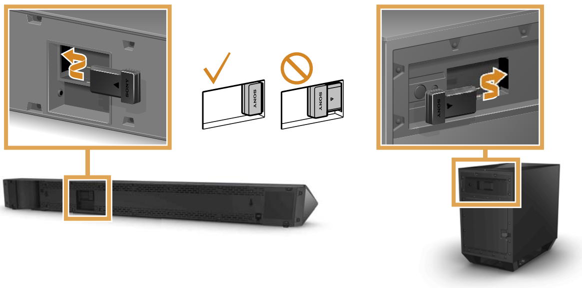
ABOUT THE PAIRING METHOD

When the following repair is performed, the pairing of the Bar speaker (SA-ST7) and Subwoofer (SA-WST7) is cut.

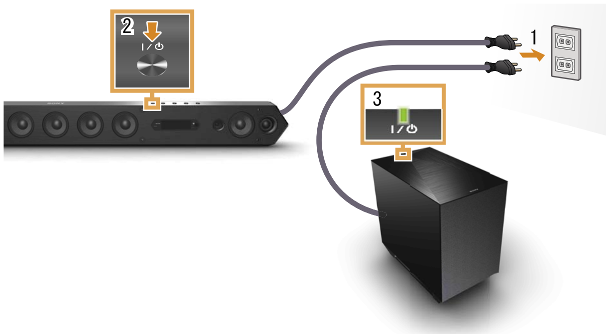
- Replacing of complete MAIN board
- Replacing of IC1002 on the MAIN board

Return the Bar speaker (SA-ST7) and Subwoofer (SA-WST7) to the customer after performing the pairing according to the following procedure.

Preparation:
Insert the wireless transceivers (EZW-RT50) into the Bar speaker (SA-ST7) and Subwoofer (SA-WST7).



Procedure:
1 Connect the AC power cords (mains leads).
2 Press the I/⏻ button on the Bar Speaker.
3 Confirm the I/⏻ indicator of the subwoofer is lit in green. If not, the wireless transmission is not activated.



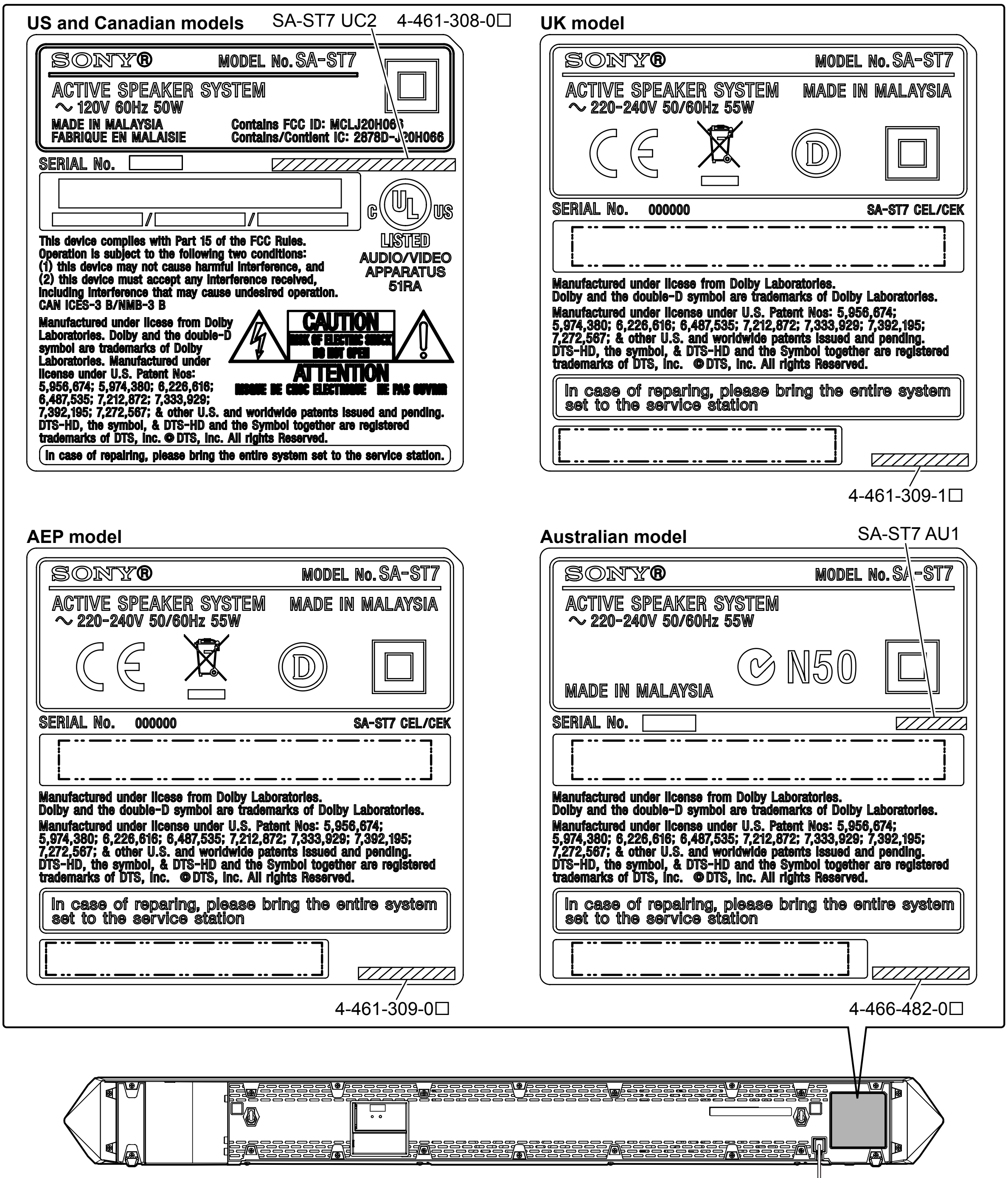
No sound is output from the subwoofer.
- Make sure the AC power cord (mains lead) of the subwoofer is connected.
- Make sure the wireless transceivers are inserted correctly.
- If the I/⏻ indicator is off:
  – Check that the AC power cord (mains lead) of the subwoofer is connected securely.
  – Turn the subwoofer on by pressing the I/⏻ button on the subwoofer.
- If the I/⏻ indicator flashes in green quickly:
  First press the I/⏻ button on the subwoofer, then insert the wieless transceiver into the subwoofer correctly, and press the I/⏻ button on the subwoofer again.
- If the I/⏻ indicator flashes in red:
  Press the I/⏻ button to turn off the subwoofer, and check that nothing is blocking the ventilation holes of the subwoofer.

MODEL IDENTIFICATION

Distinguish by model number label stuck on the rear side of a main unit.

Note: The printed contents of following figure model number label may be different from the model number label of a main unit.

MODEL NUMBER LABEL



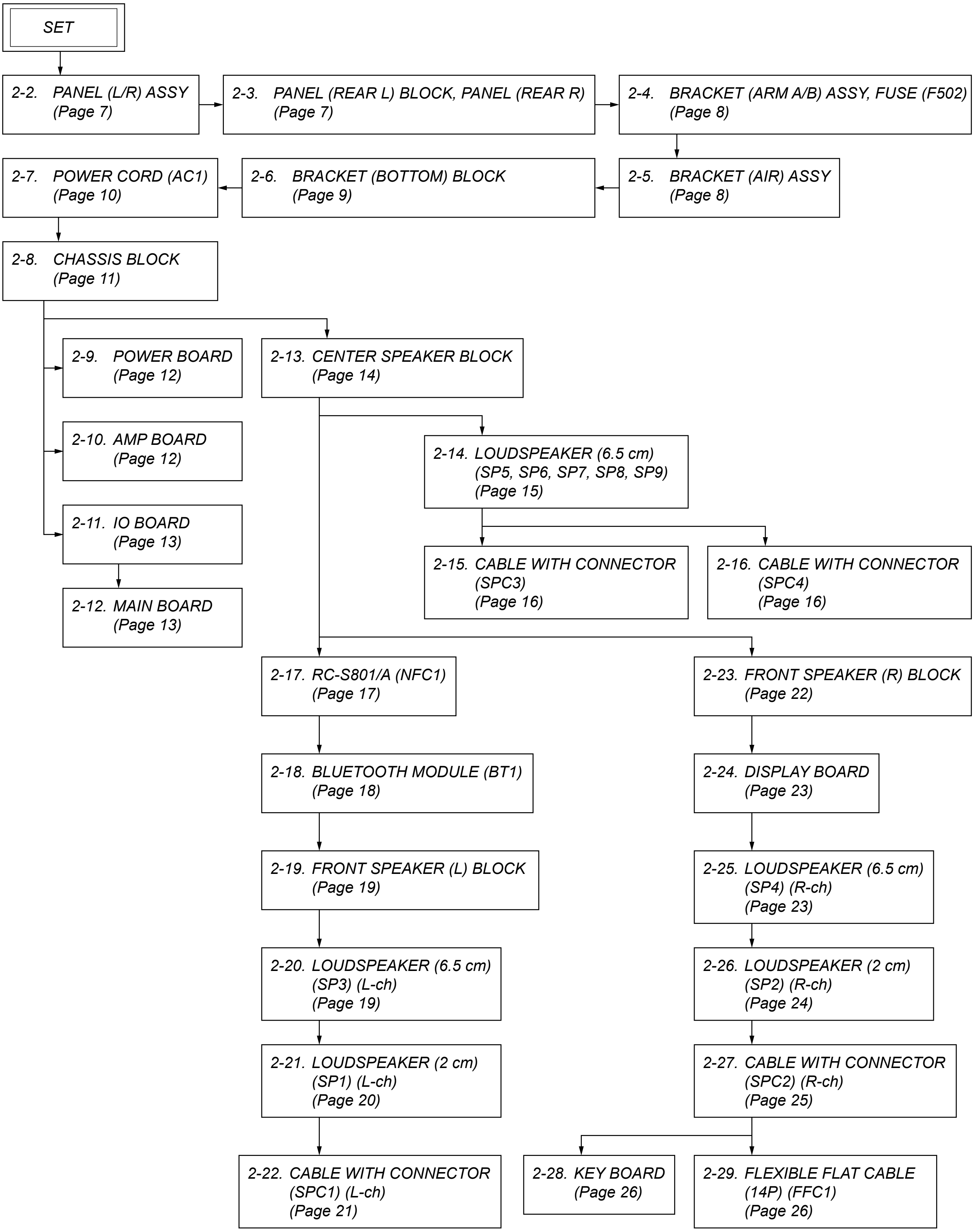
– Rear view –

SECTION 2
DISASSEMBLY

- This set can be disassembled in the order shown below.

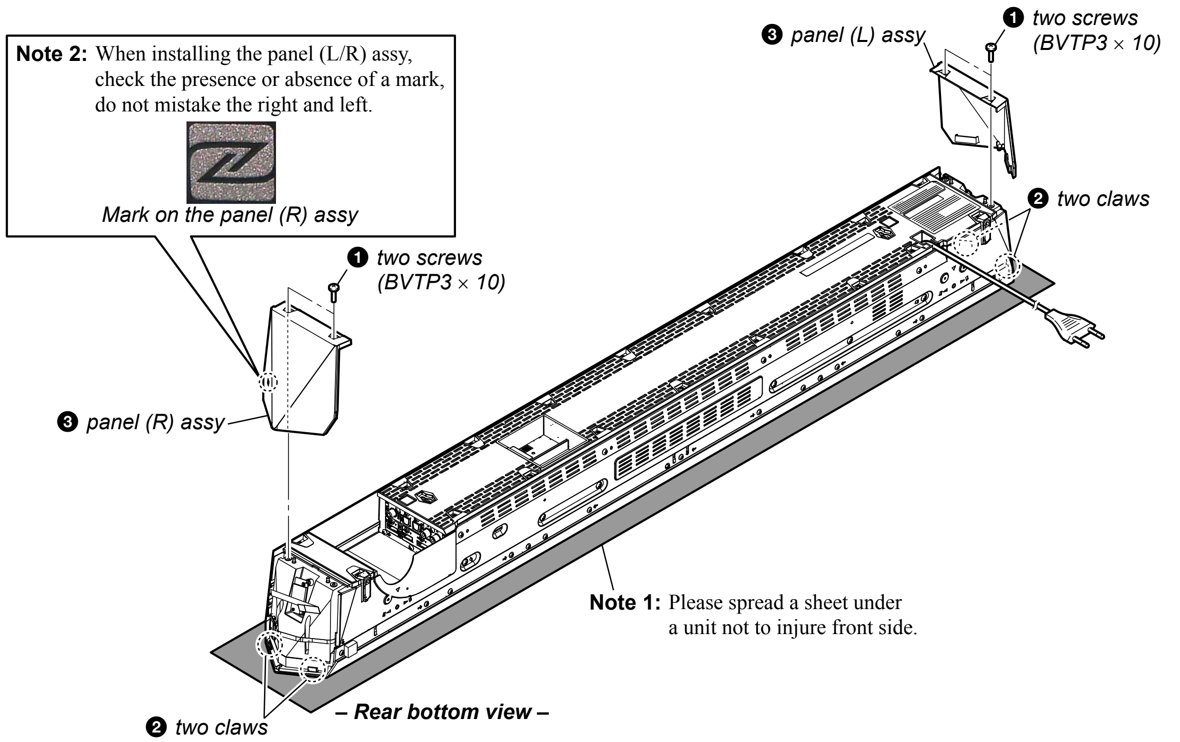
2-1. DISASSEMBLY FLOW

Note: When disassembling the unit, start working after removing the grill frame always first.

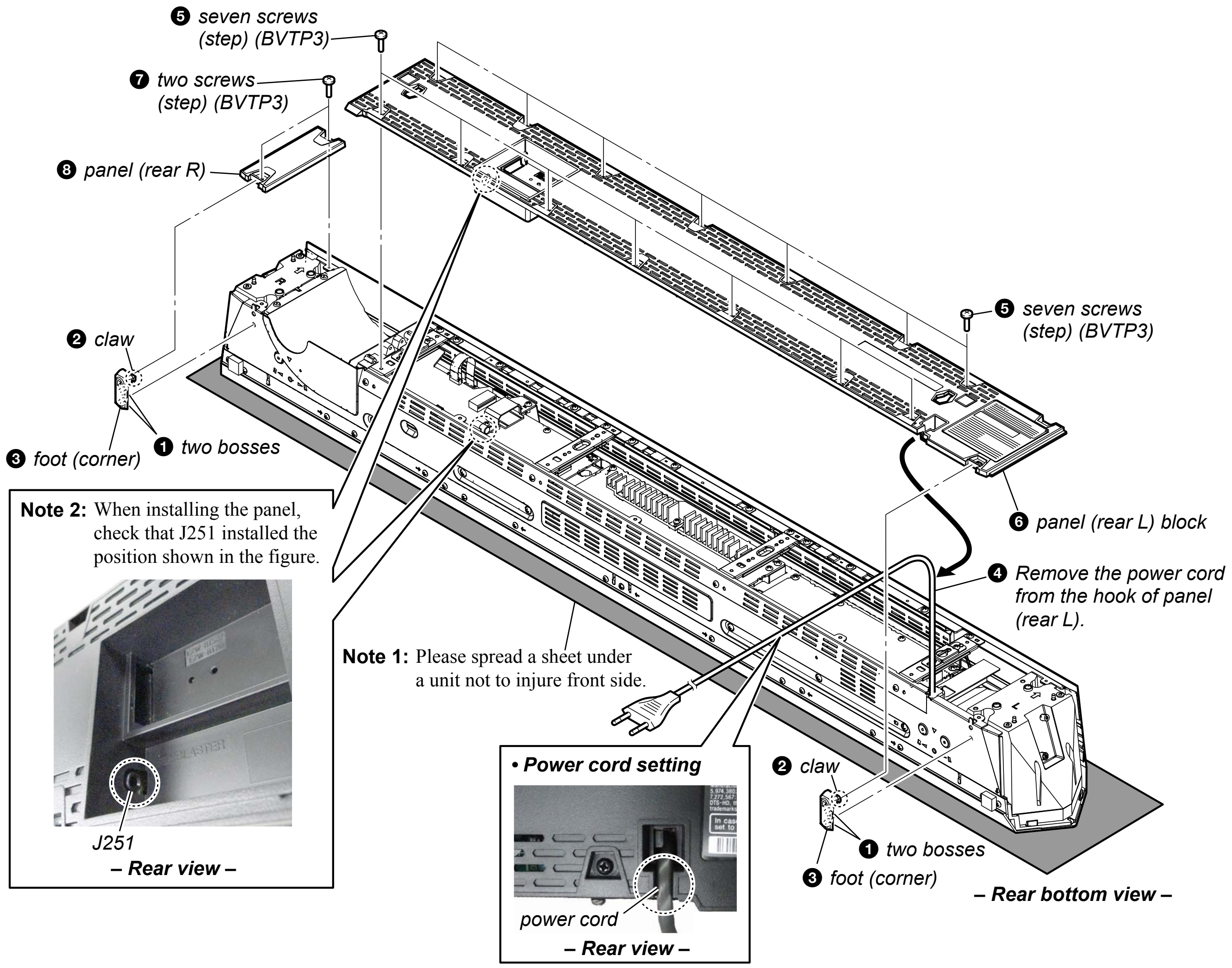


Note: Follow the disassembly procedure in the numerical order given.

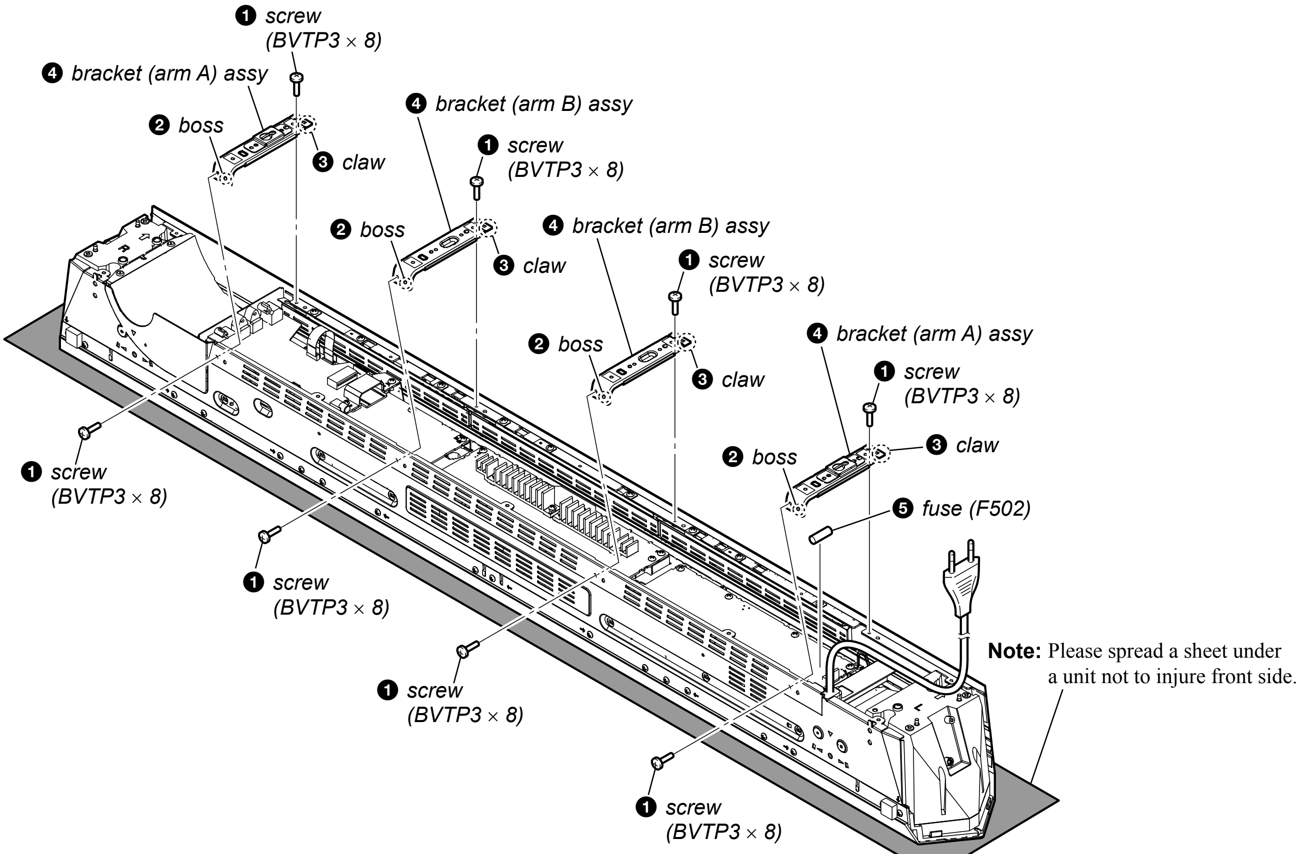
2-2. PANEL (L/R) ASSY



2-3. PANEL (REAR L) BLOCK, PANEL (REAR R)

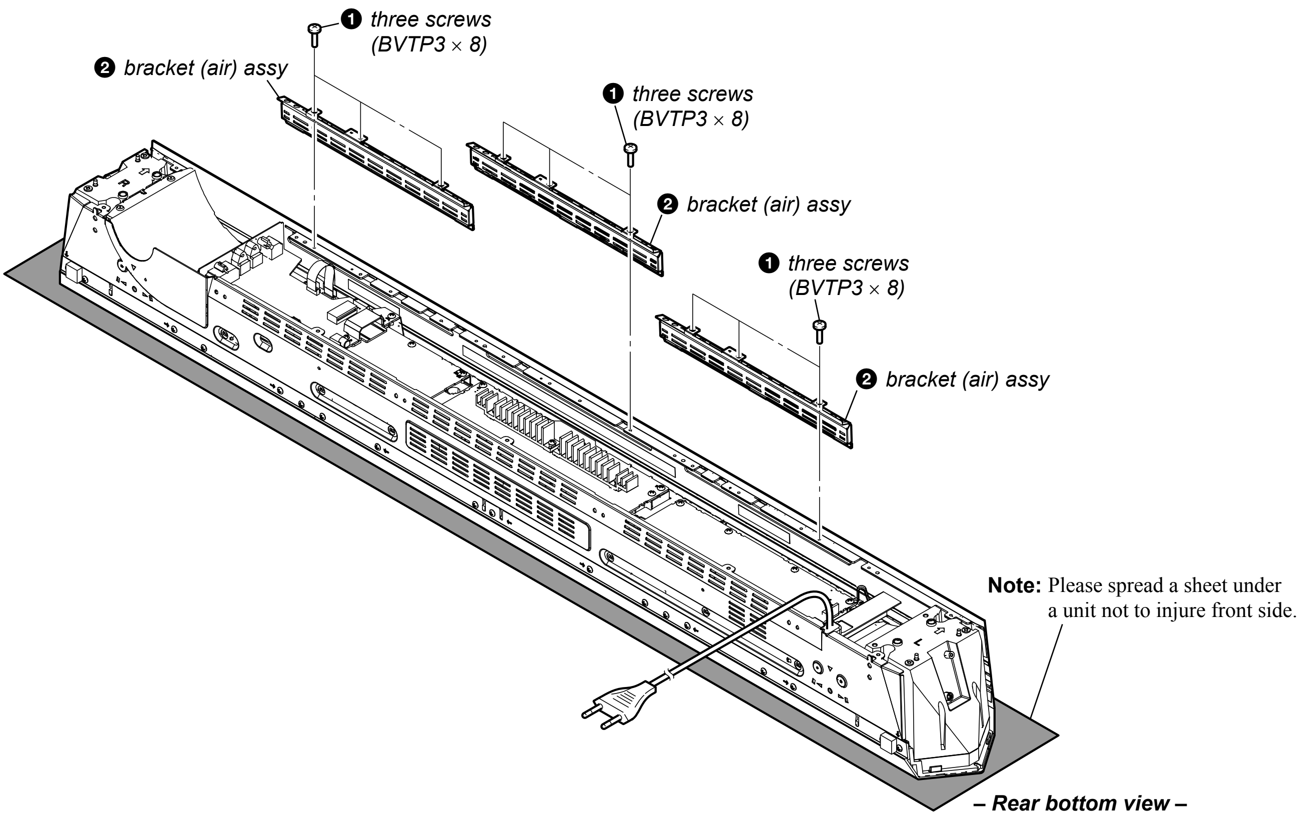


2-4. BRACKET (ARM A/B) ASSY, FUSE (F502)



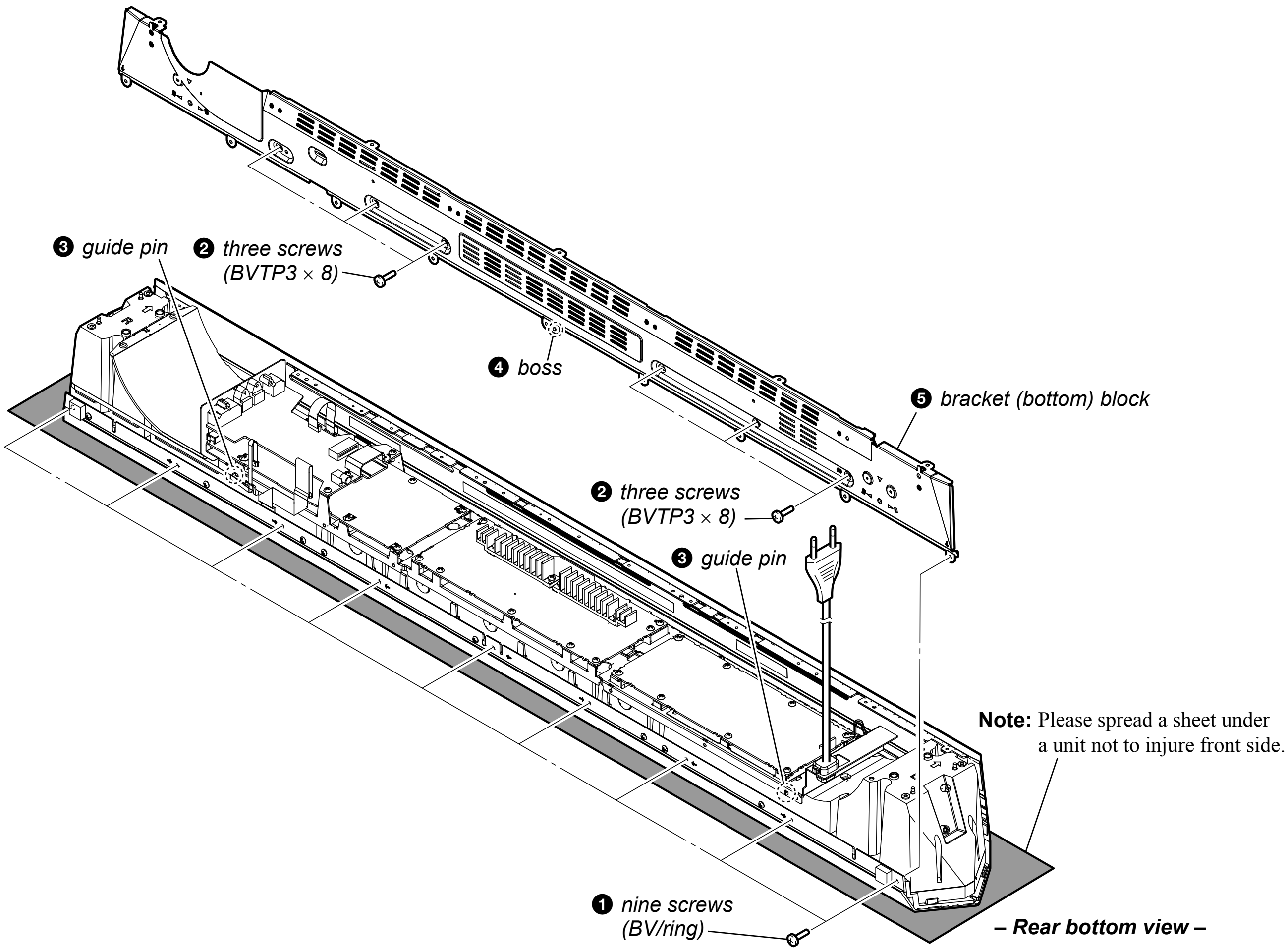
– Rear bottom view –

2-5. BRACKET (AIR) ASSY

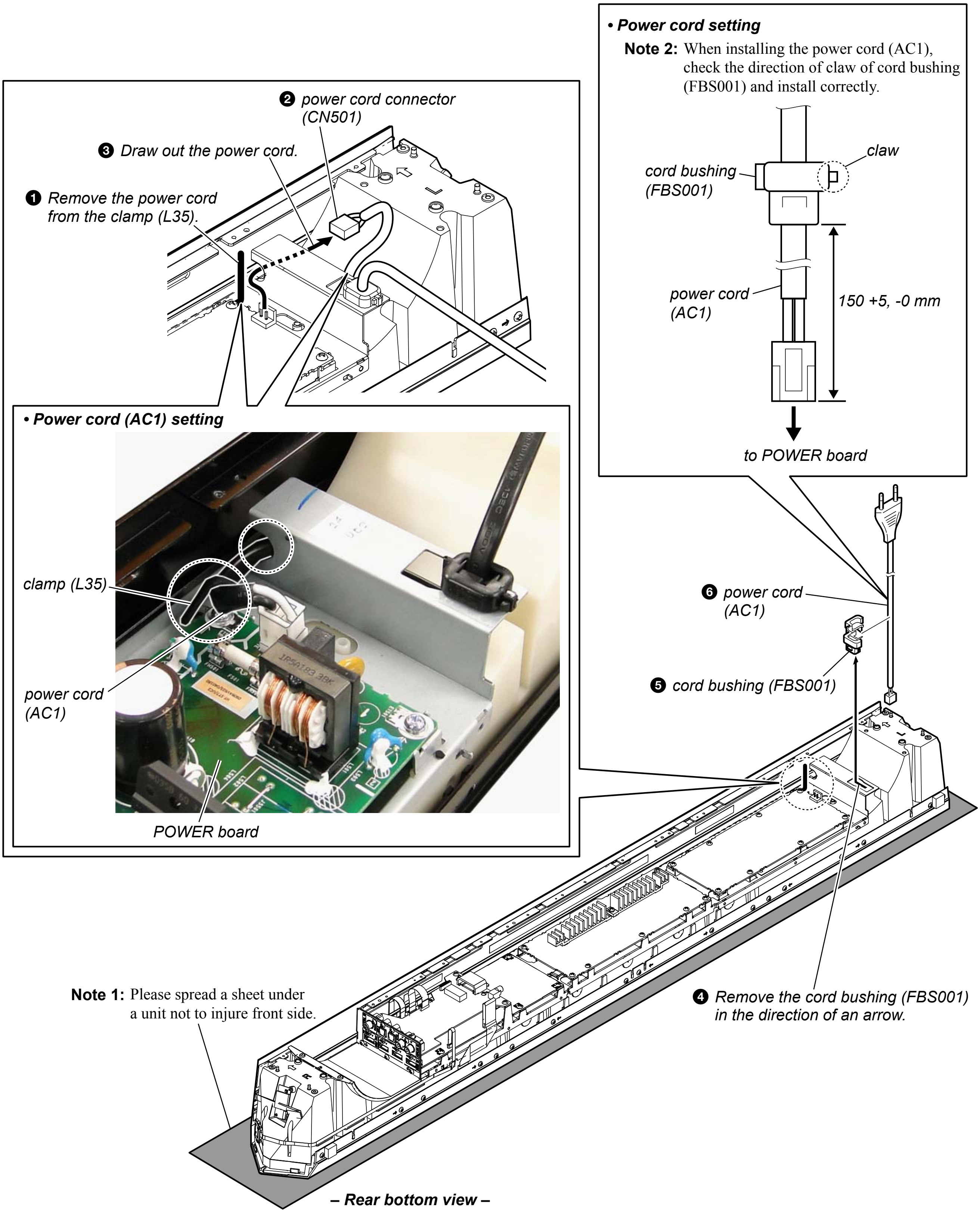


– Rear bottom view –

2-6. BRACKET (BOTTOM) BLOCK

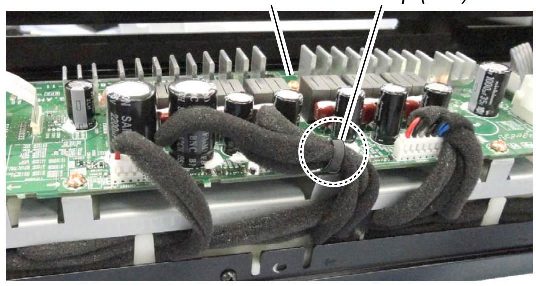


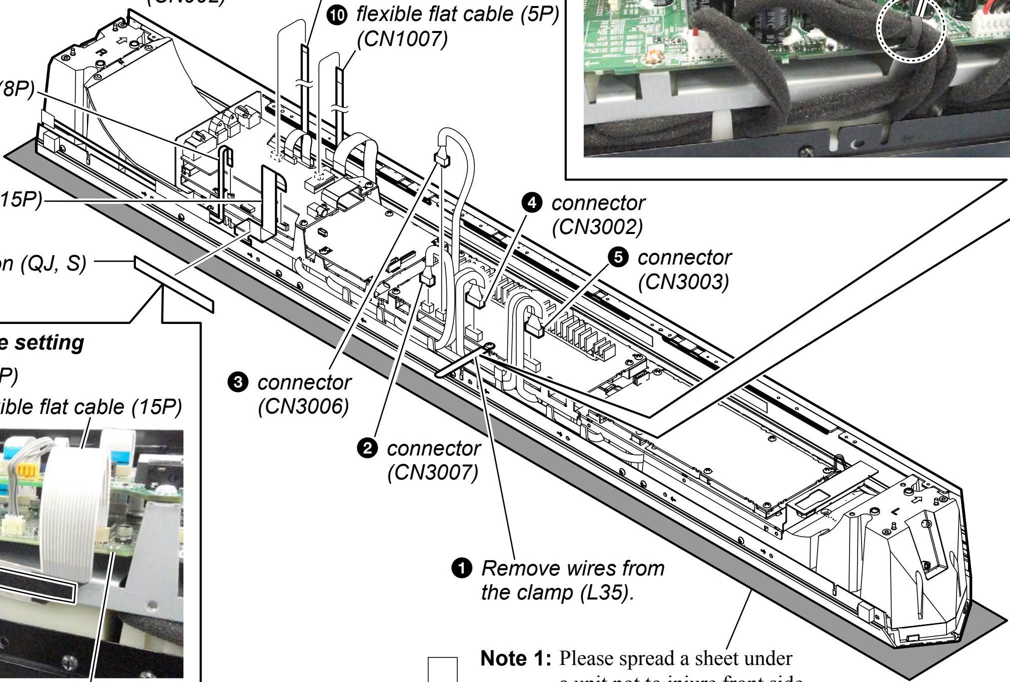
2-7. POWER CORD (AC1)



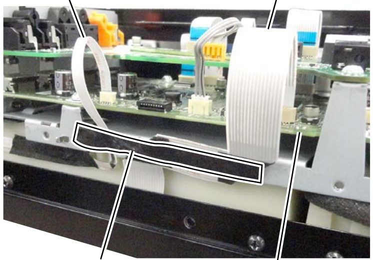
2-8. CHASSIS BLOCK

• Wire setting





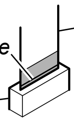
• Flexible flat cable setting

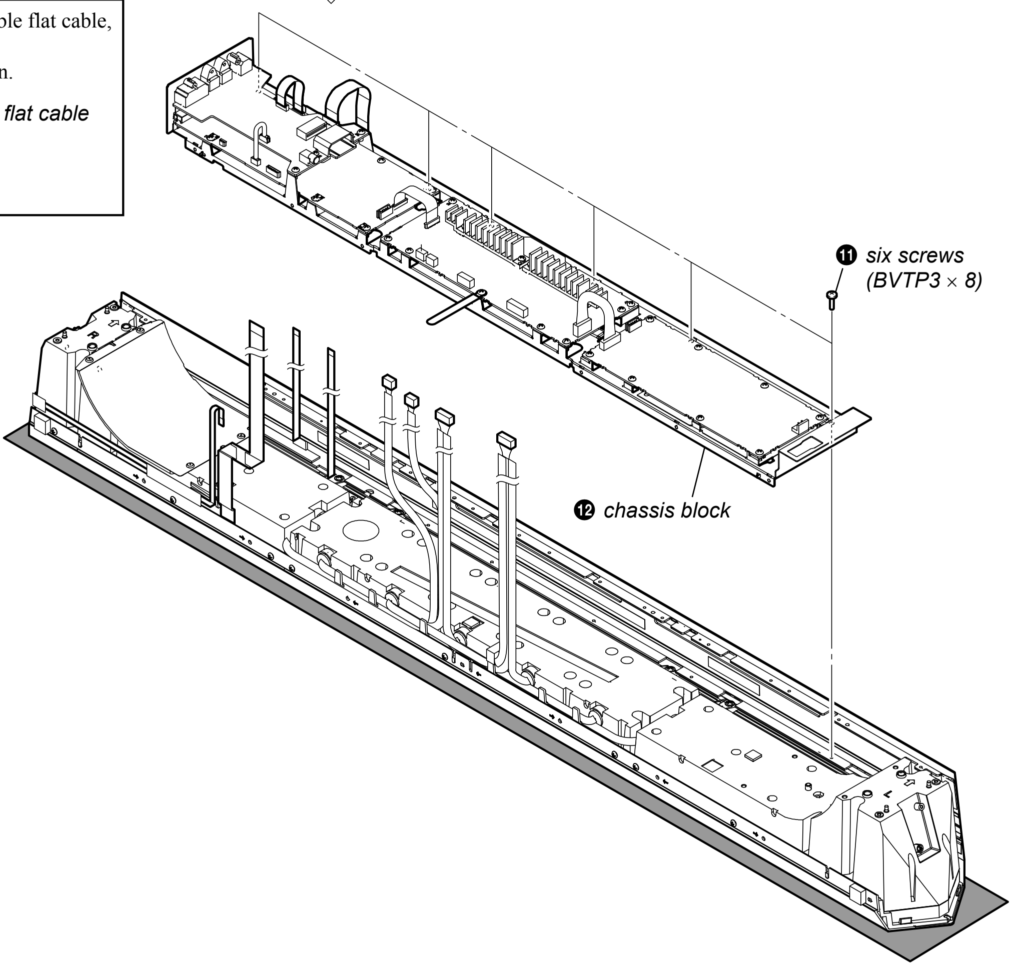


Note 1: Please spread a sheet under a unit not to injure front side.

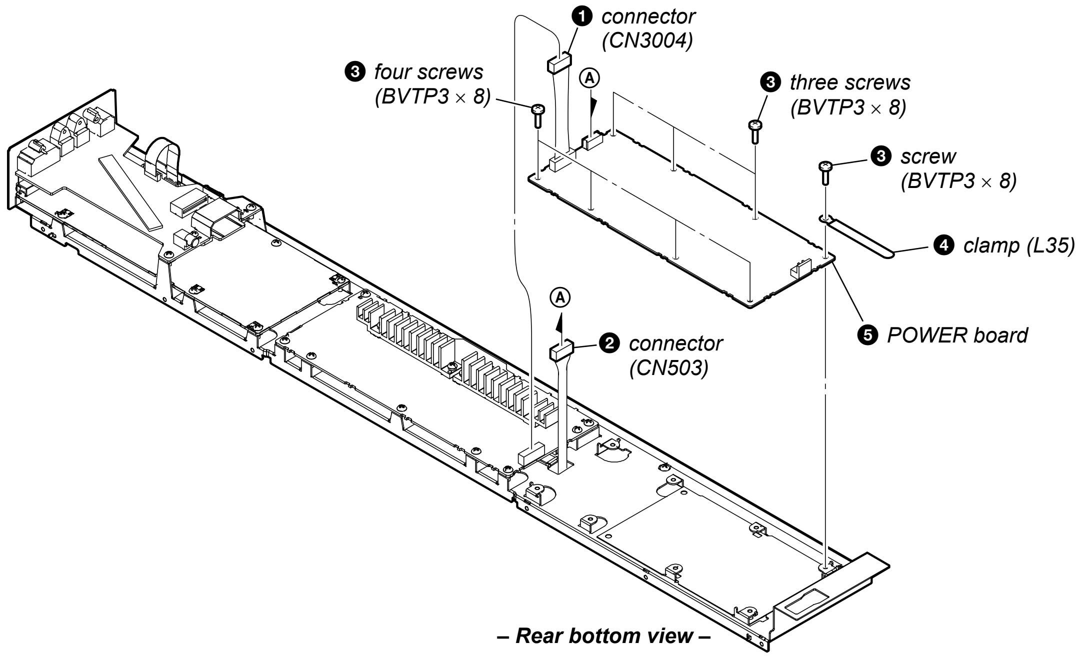
– Rear bottom view –

Note 2: When installing the flexible flat cable, ensure the colored line. No slanting after insertion.

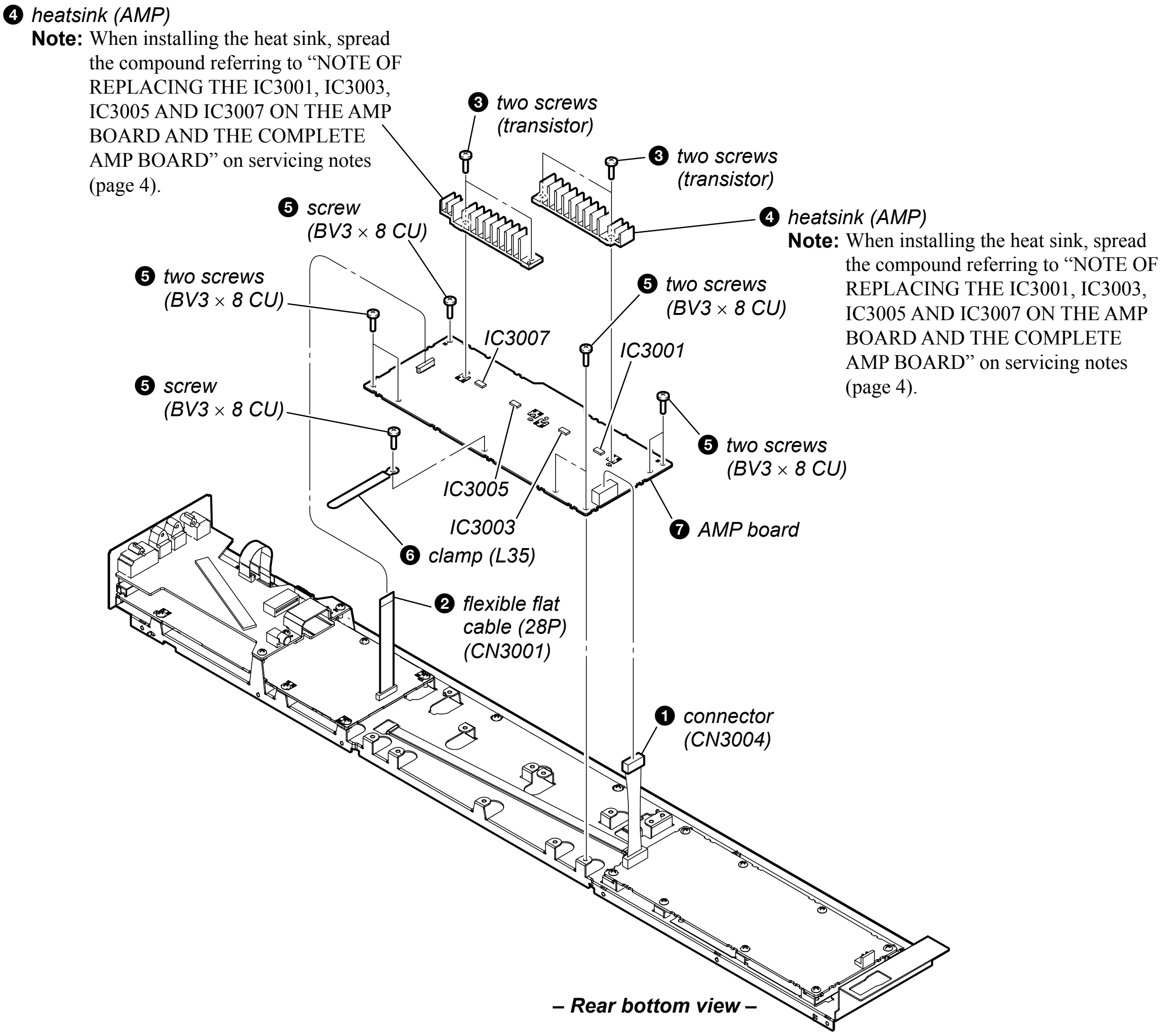




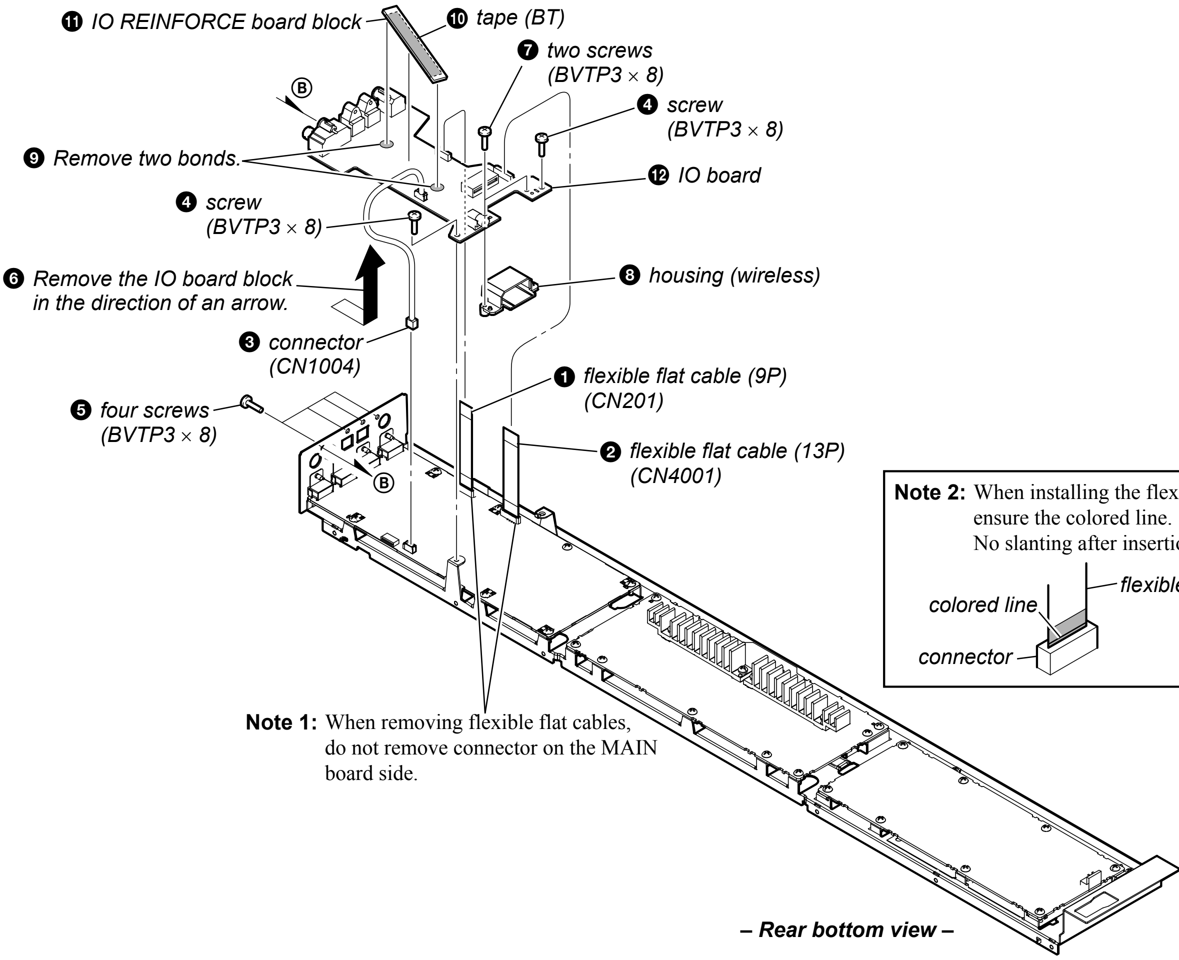
2-9. POWER BOARD



2-10. AMP BOARD



2-11. IO BOARD



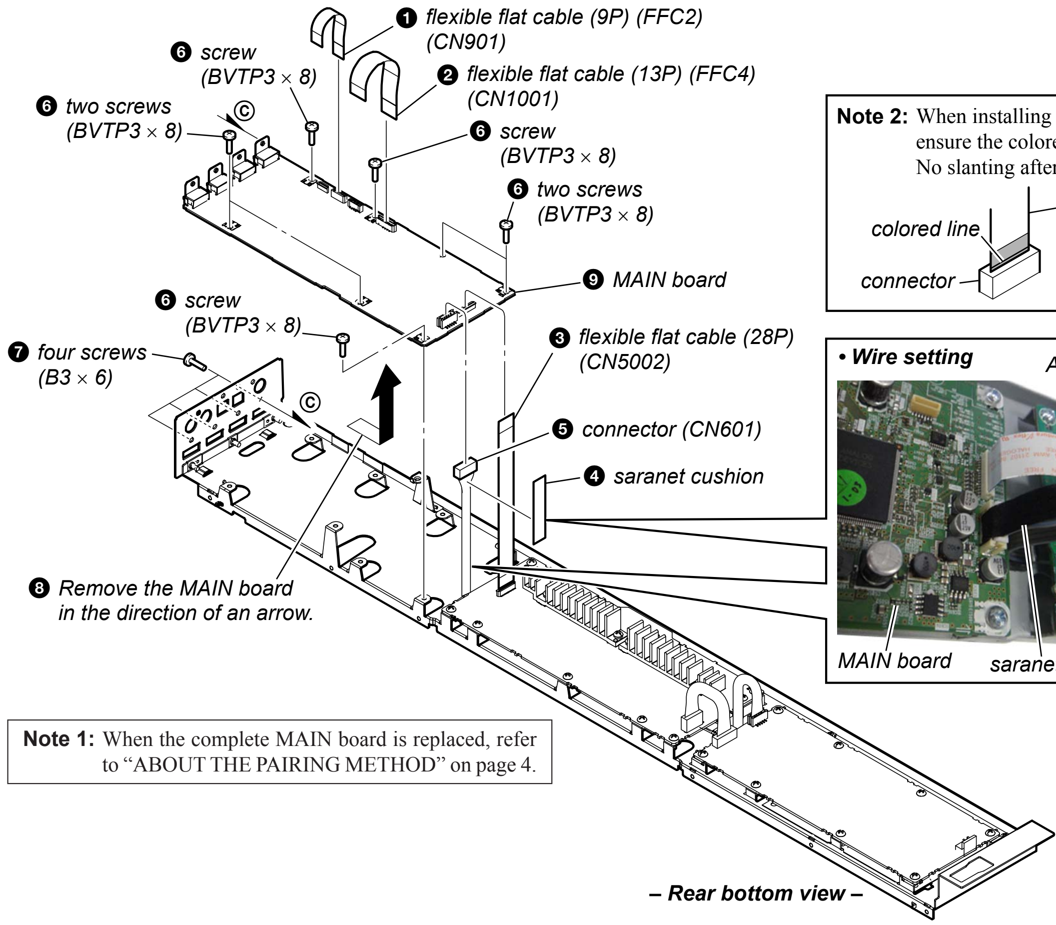
Note 1: When removing flexible flat cables, do not remove connector on the MAIN board side.

Note 2: When installing the flexible flat cable, ensure the colored line. No slanting after insertion.

colored line / flexible flat cable / connector

– Rear bottom view –

2-12. MAIN BOARD



Note 2: When installing the flexible flat cable, ensure the colored line. No slanting after insertion.

colored line / flexible flat cable / connector

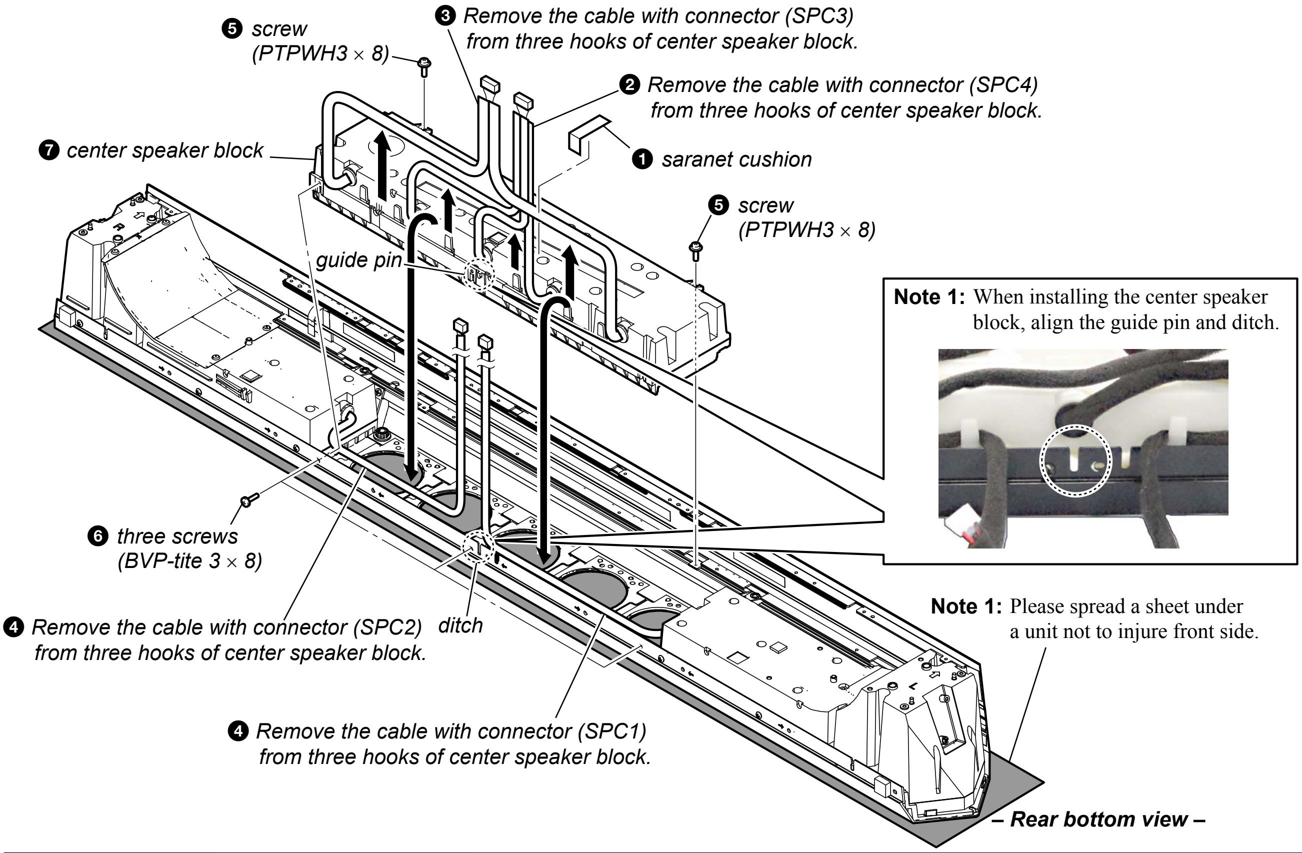
• Wire setting

AMP board / MAIN board / saranet cushion

Note 1: When the complete MAIN board is replaced, refer to “ABOUT THE PAIRING METHOD” on page 4.

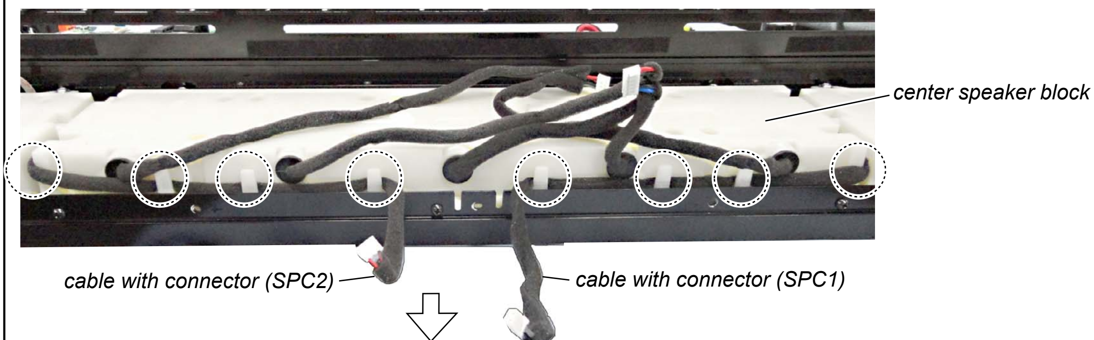
– Rear bottom view –

2-13. CENTER SPEAKER BLOCK

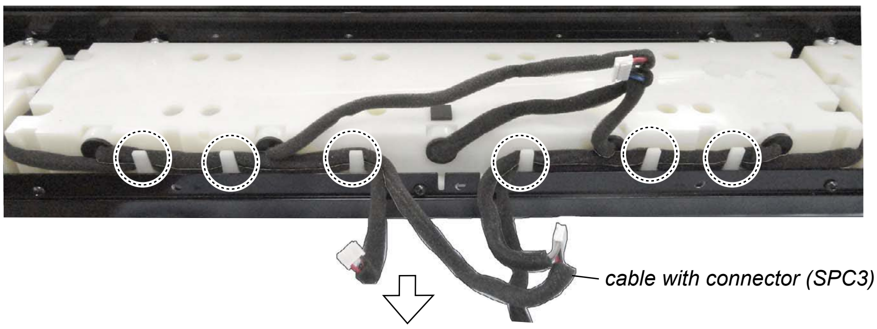


• Wire setting

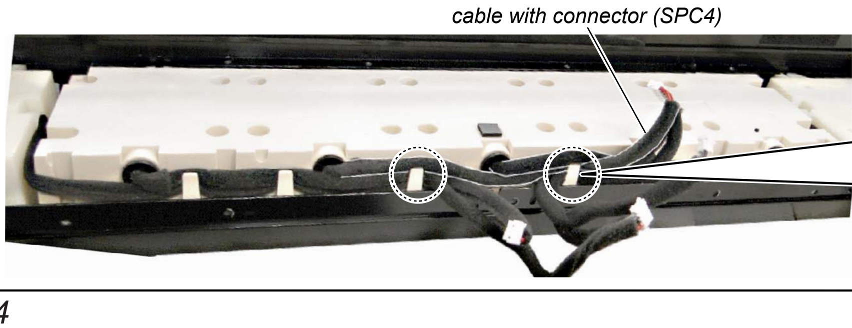
① Install cables with connector (SPC1, SPC2) to the hook of the center speaker block.



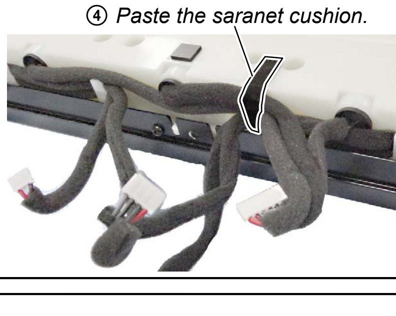
② Install cables with connector (SPC3) to the hook of the center speaker block.



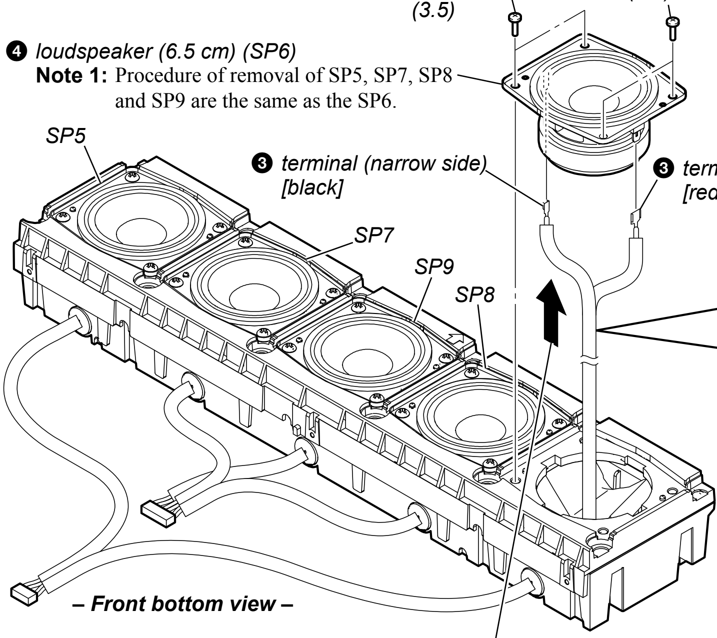
③ Install cables with connector (SPC4) to the hook of the center speaker block.



④ Paste the saranet cushion.

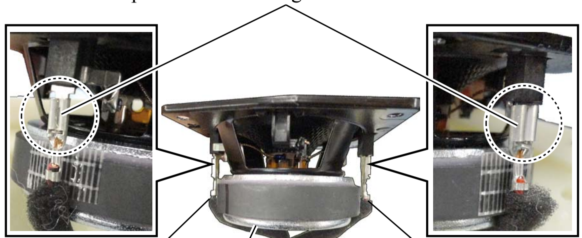


2-14. LOUDSPEAKER (6.5 cm) (SP5, SP6, SP7, SP8, SP9)



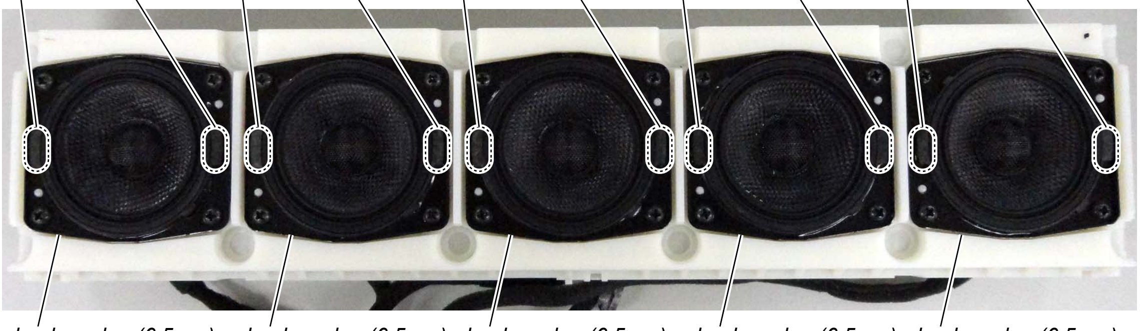
• Wire setting

Note 2: When installing the speaker wire, make the position of caulking of terminals is outside.

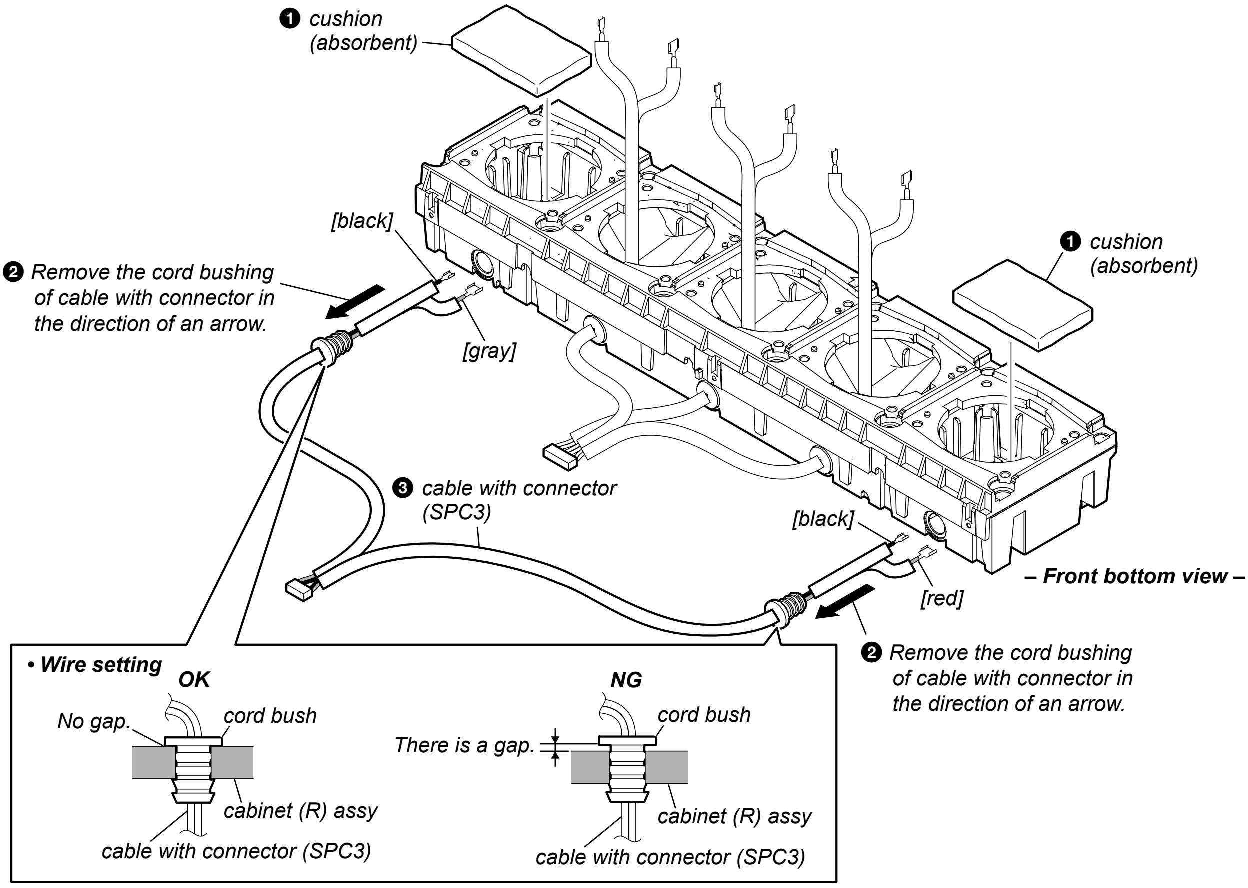


• Wire setting

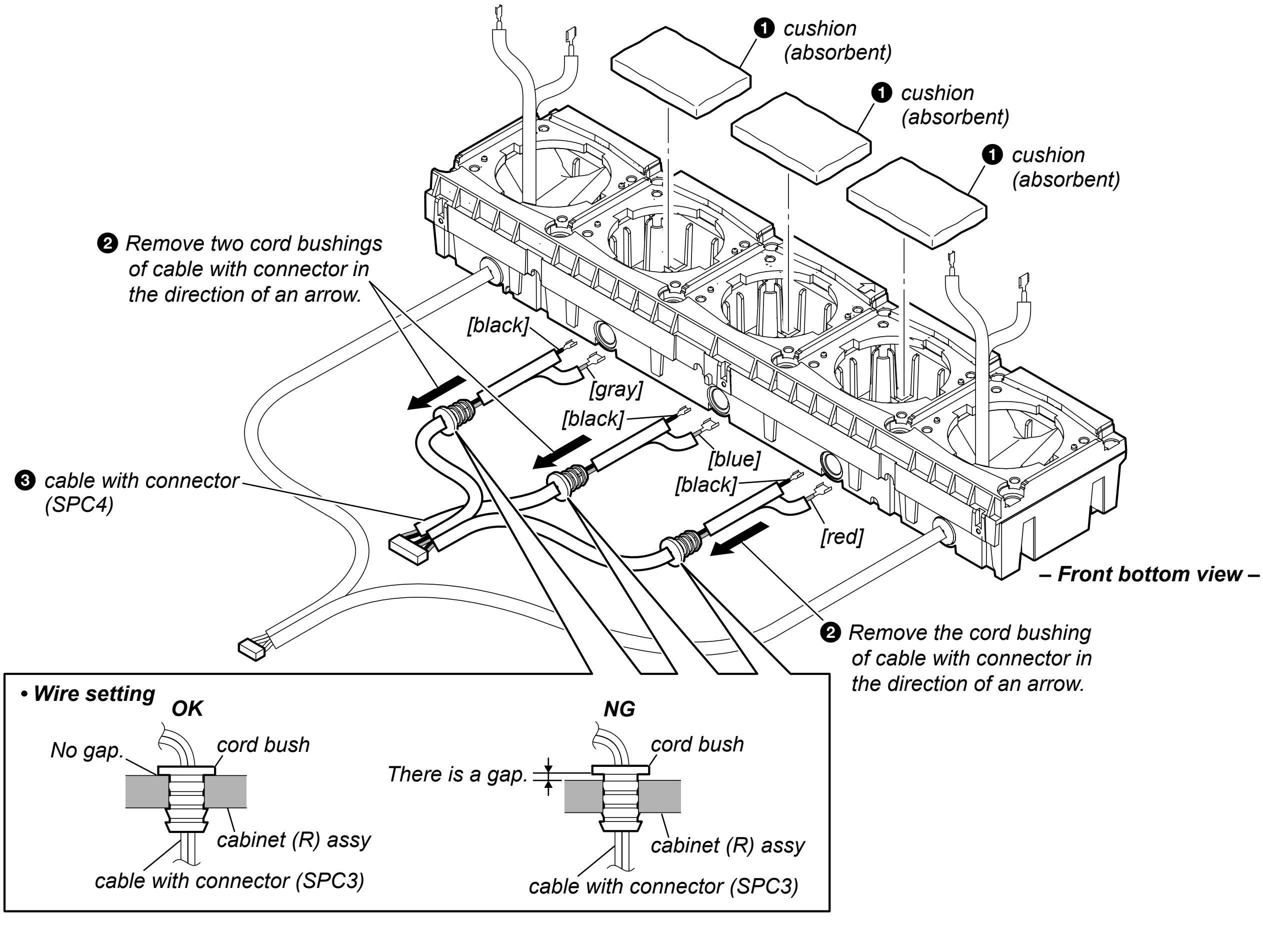
Note 3: When installing the loudspeaker (6.5 cm) (SP5, SP6, SP7, SP8, SP9), make the position of terminals as shown in the figure below.



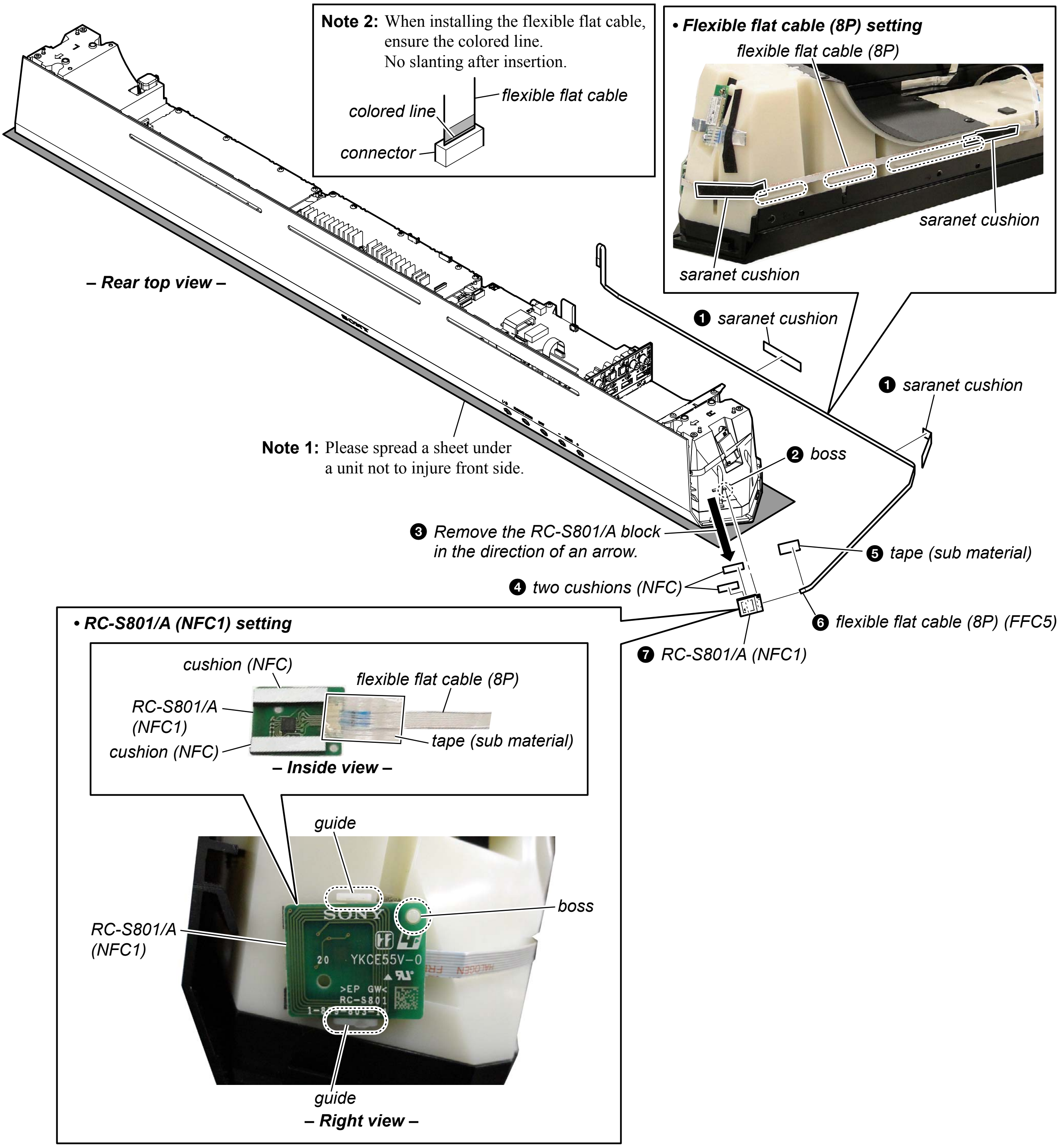
2-15. CABLE WITH CONNECTOR (SPC3)



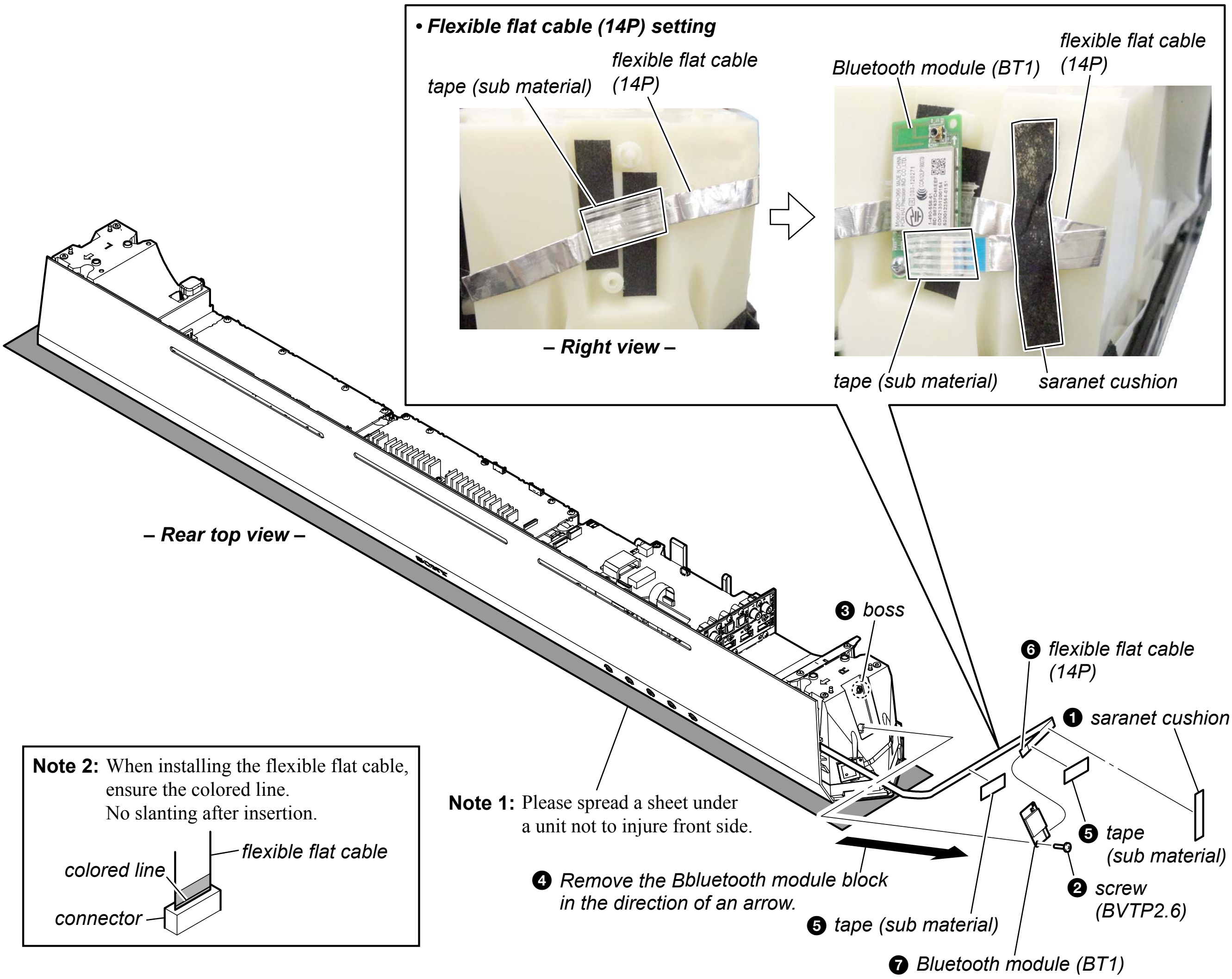
2-16. CABLE WITH CONNECTOR (SPC4)



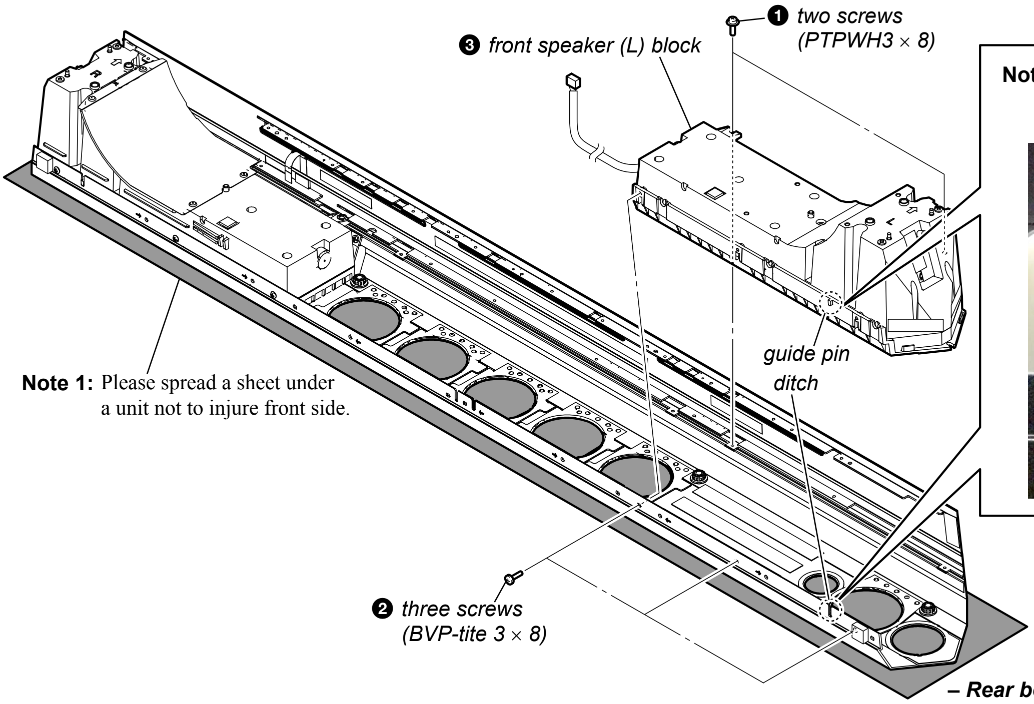
2-17. RC-S801/A (NFC1)



2-18. BLUETOOTH MODULE (BT1)

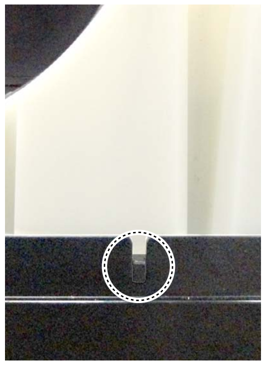


2-19. FRONT SPEAKER (L) BLOCK



Note 1: Please spread a sheet under a unit not to injure front side.

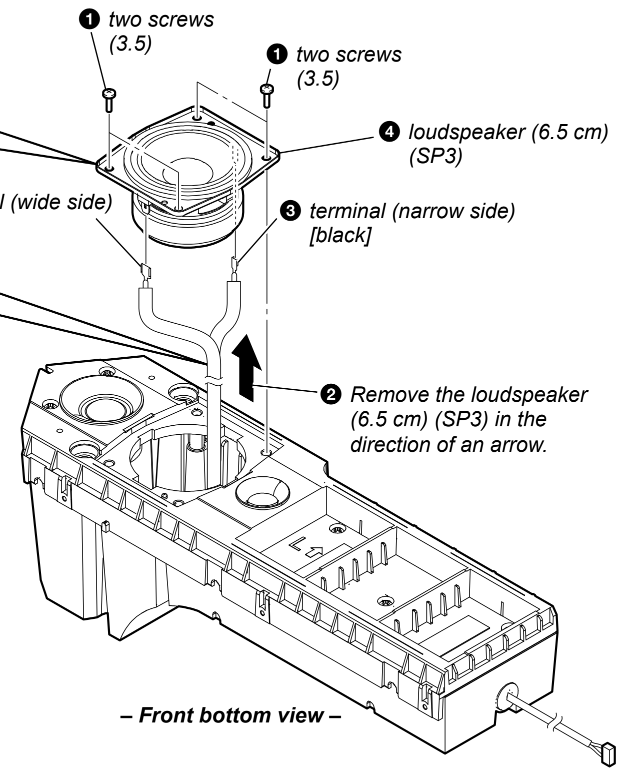
Note 2: When installing the front speaker (L) block, align the guide pin and ditch.



2-20. LOUDSPEAKER (6.5 cm) (SP3) (L-ch)

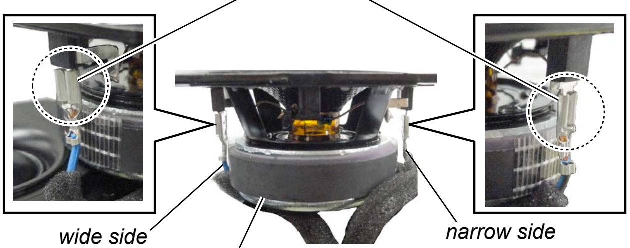
Note 1: When installing the loudspeaker (18 cm) (SP1), make the position of terminals as shown in the figure below.



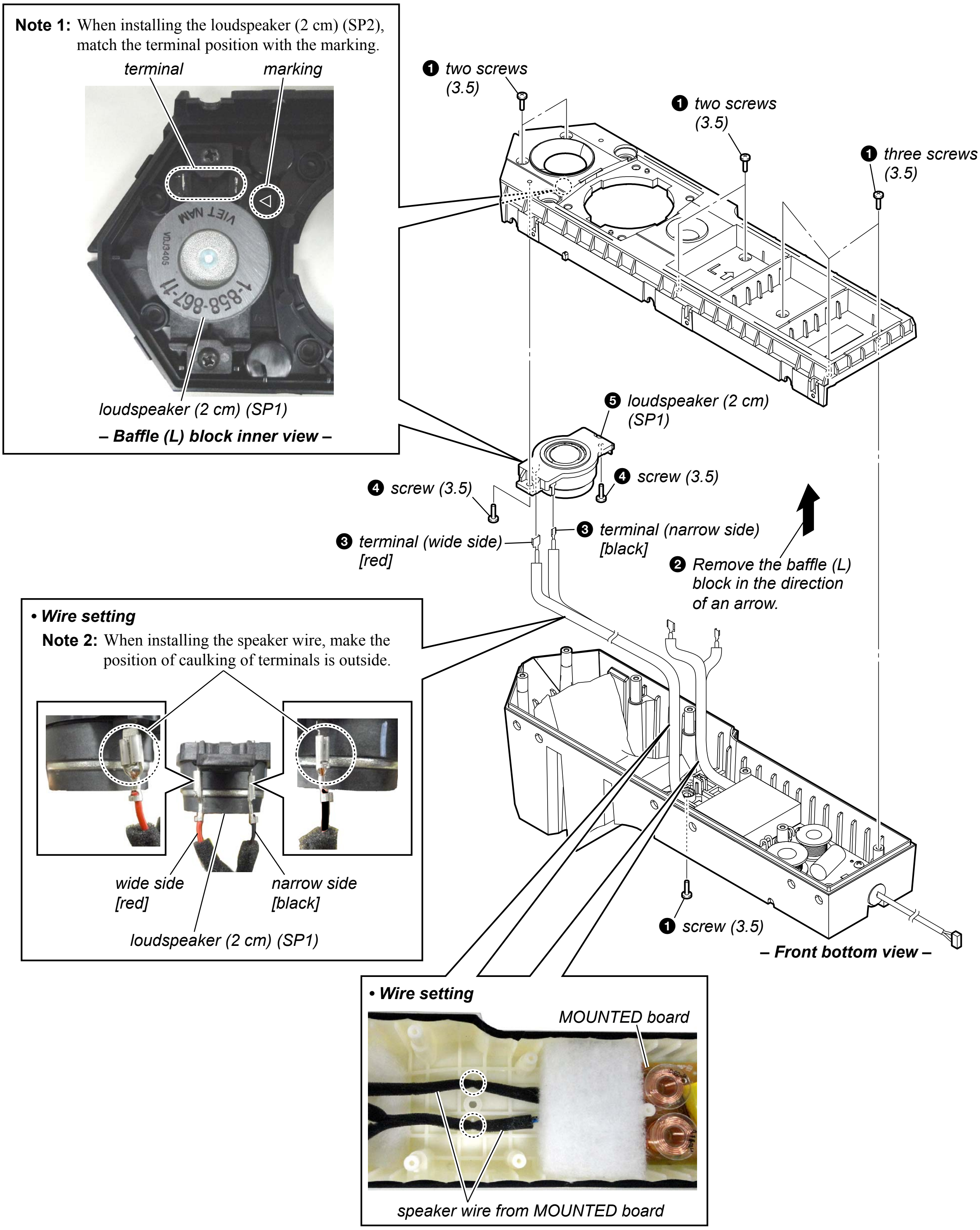


• Wire setting

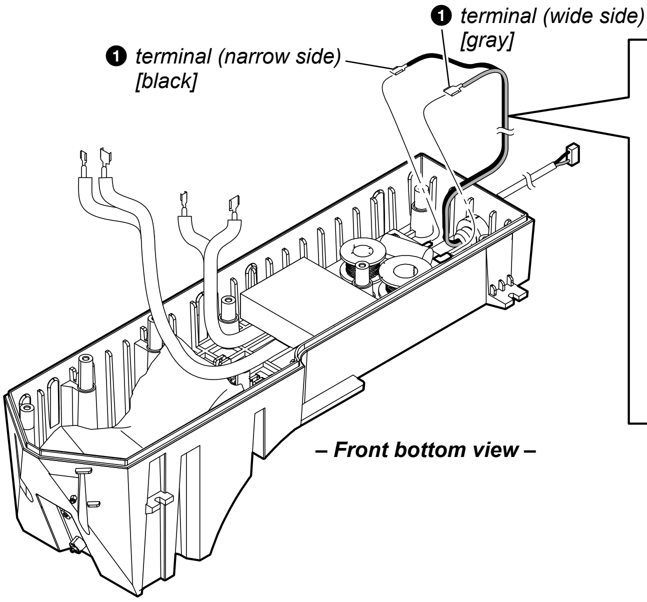
Note 2: When installing the speaker wire, make the position of caulking of terminals is outside.



2-21. LOUDSPEAKER (2 cm) (SP1) (L-ch)

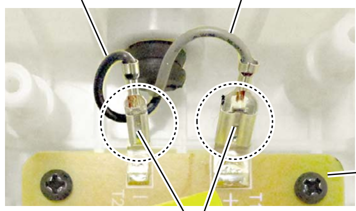


2-22. CABLE WITH CONNECTOR (SPC1) (L-ch)

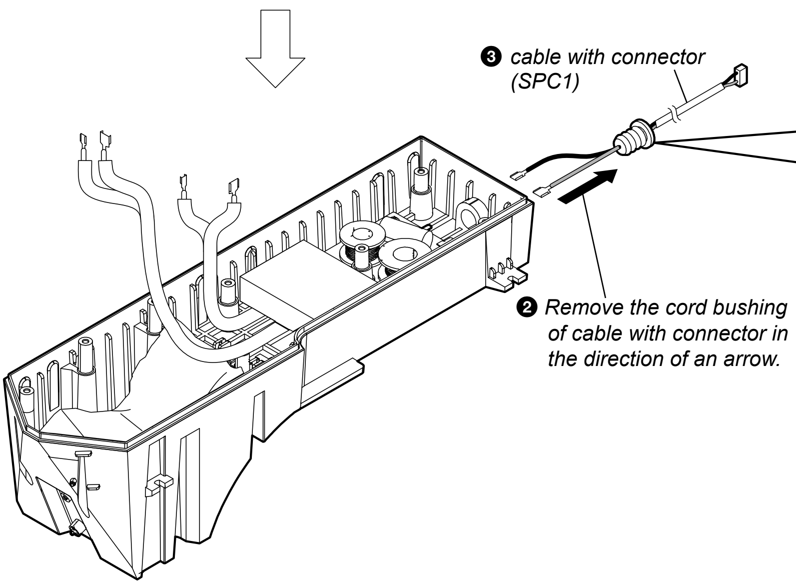


– Front bottom view –

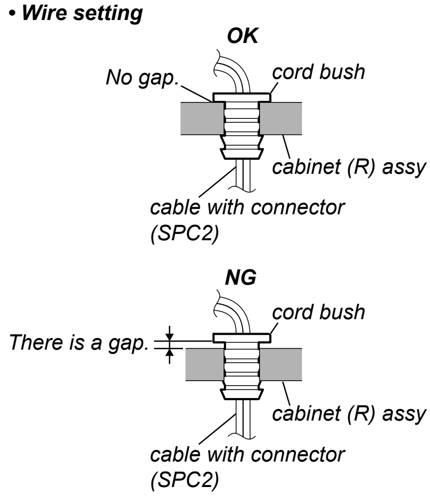
• Wire setting



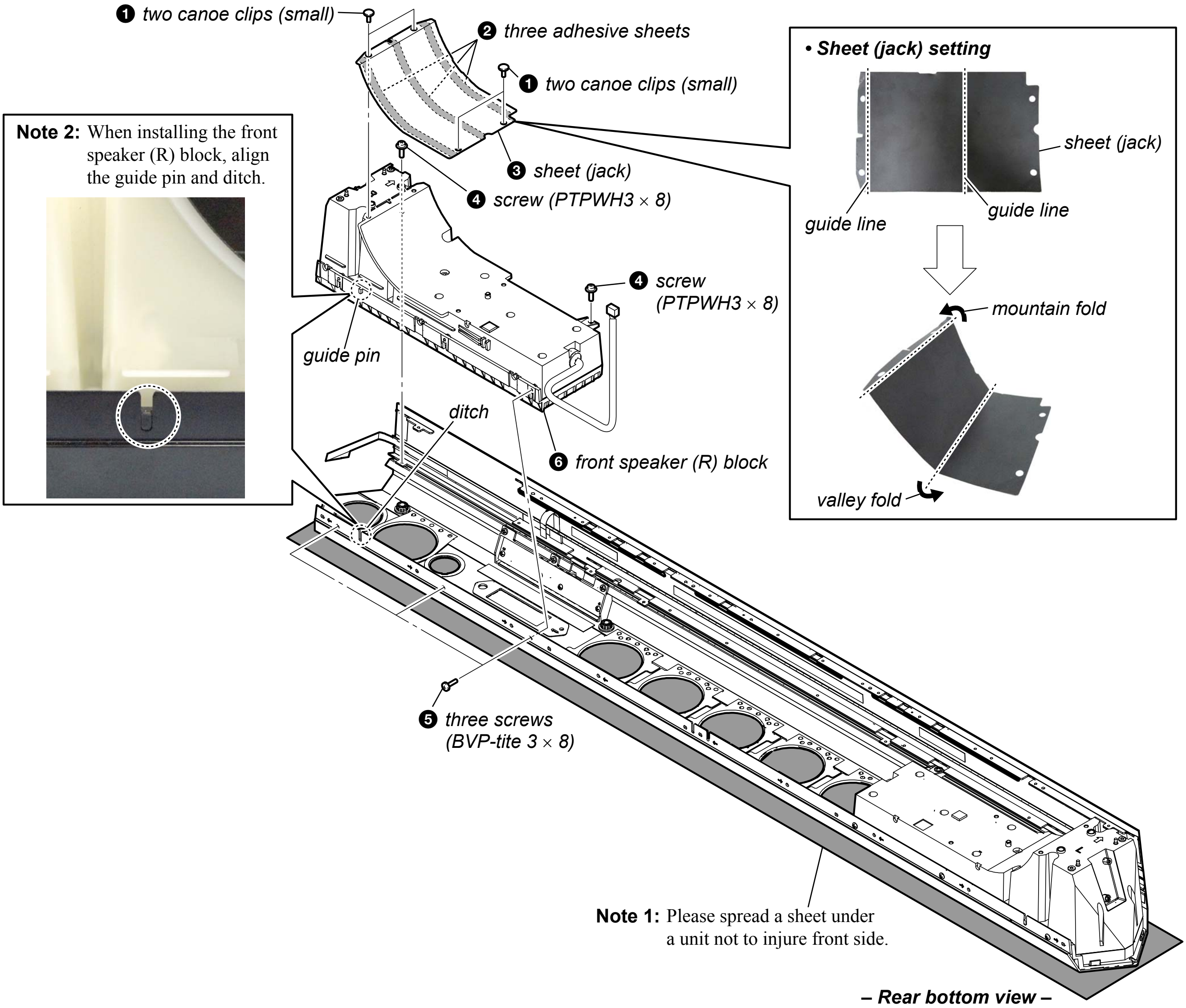
Note: When installing the cable with connector (SPC1), make the position of caulking of terminals is outside.



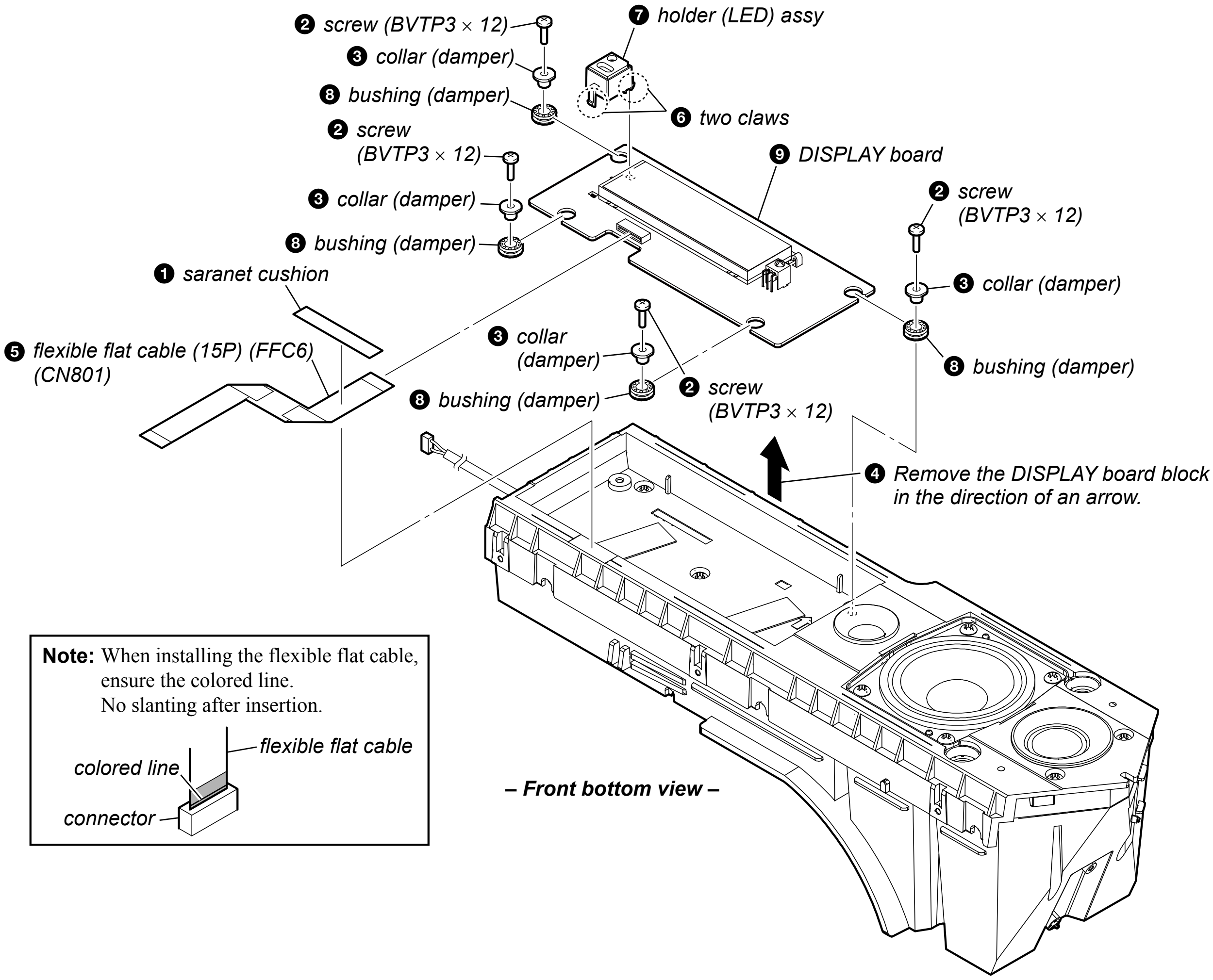
• Wire setting



2-23. FRONT SPEAKER (R) BLOCK



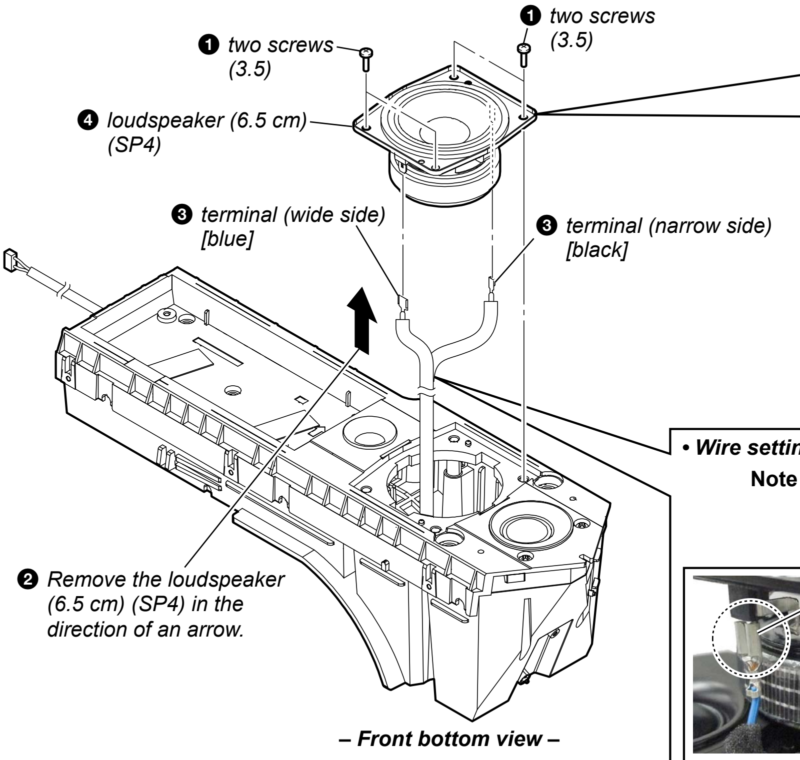
2-24. DISPLAY BOARD



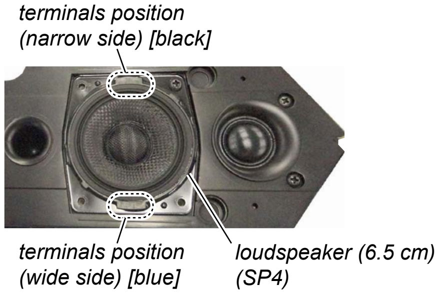
Note: When installing the flexible flat cable, ensure the colored line.
No slanting after insertion.

flexible flat cable
colored line
connector

2-25. LOUDSPEAKER (6.5 cm) (SP4) (R-ch)

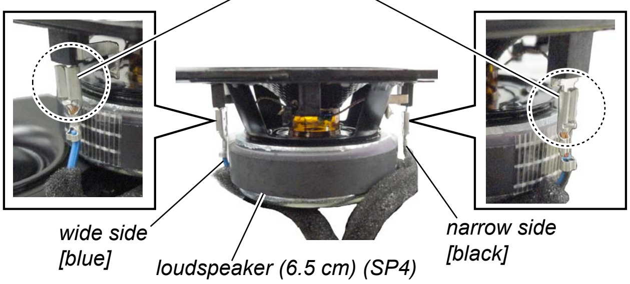


Note 1: When installing the loudspeaker (6.5 cm) (SP4), make the position of terminals as shown in the figure below.

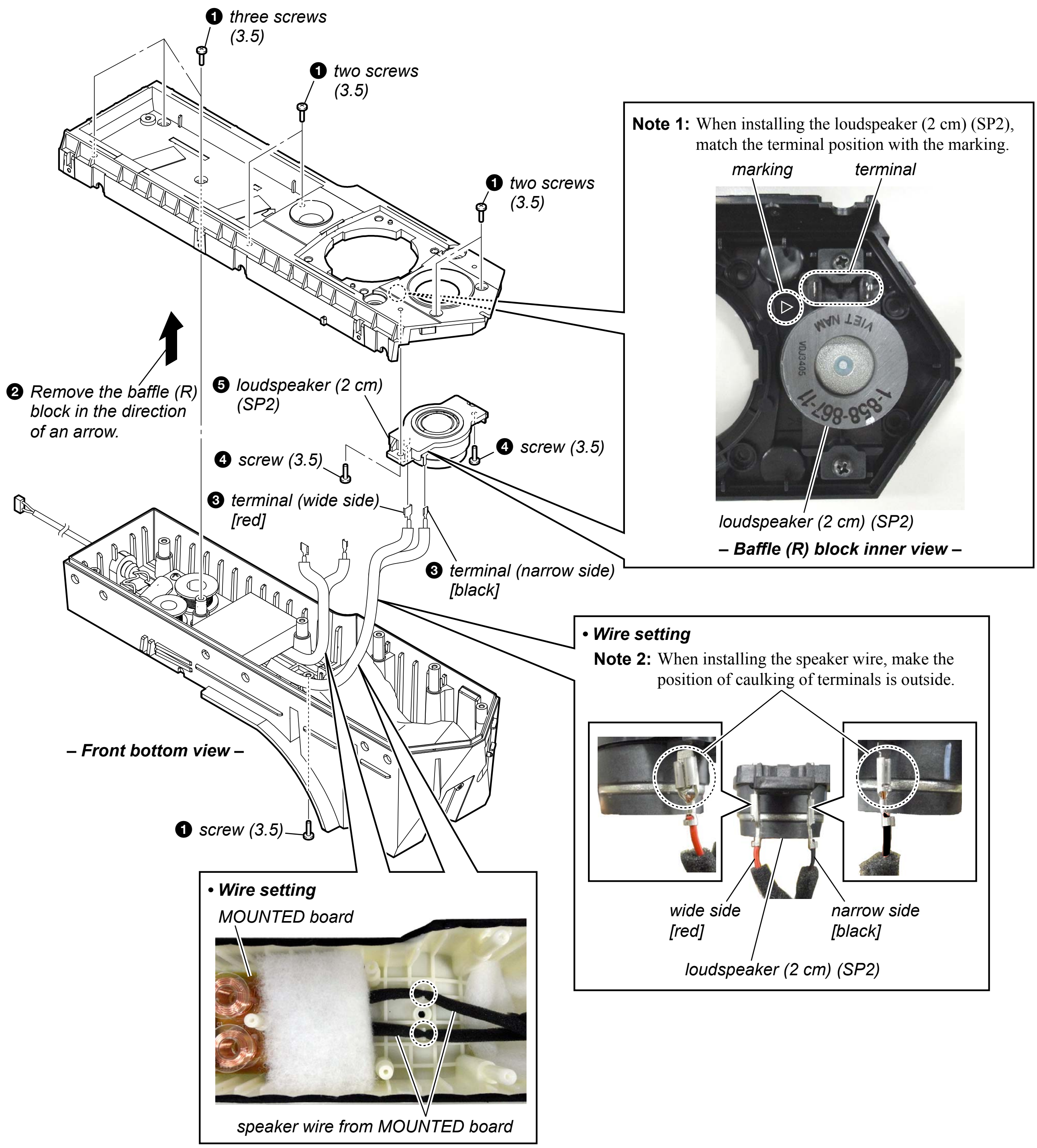


• Wire setting

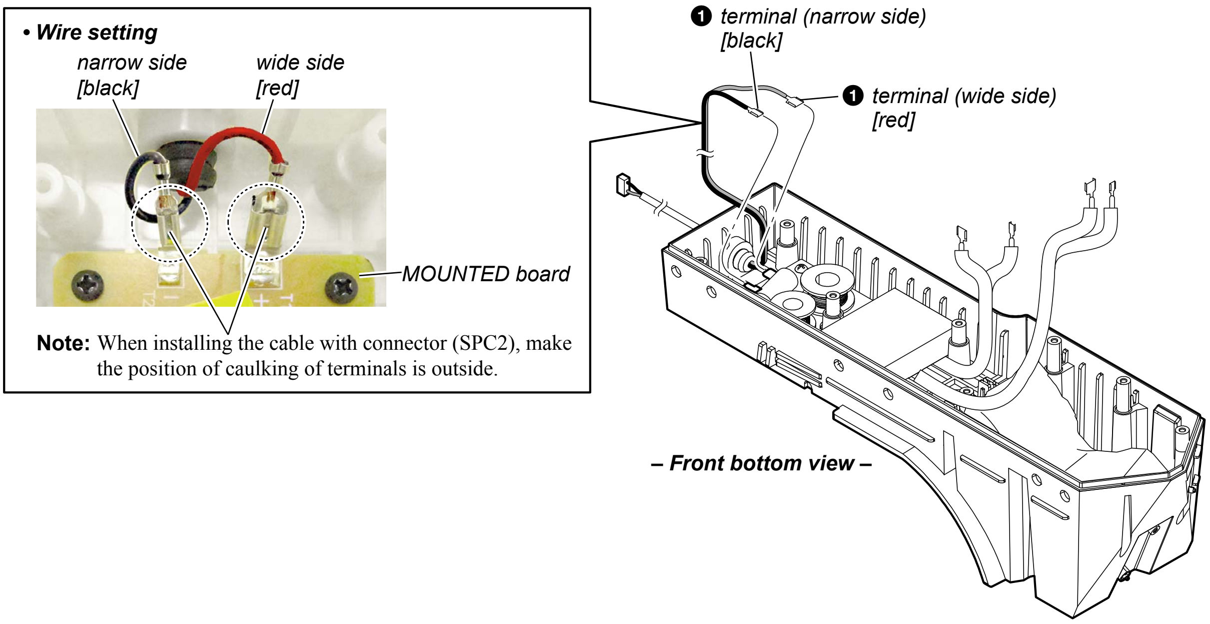
Note 2: When installing the speaker wire, make the position of caulking of terminals is outside.

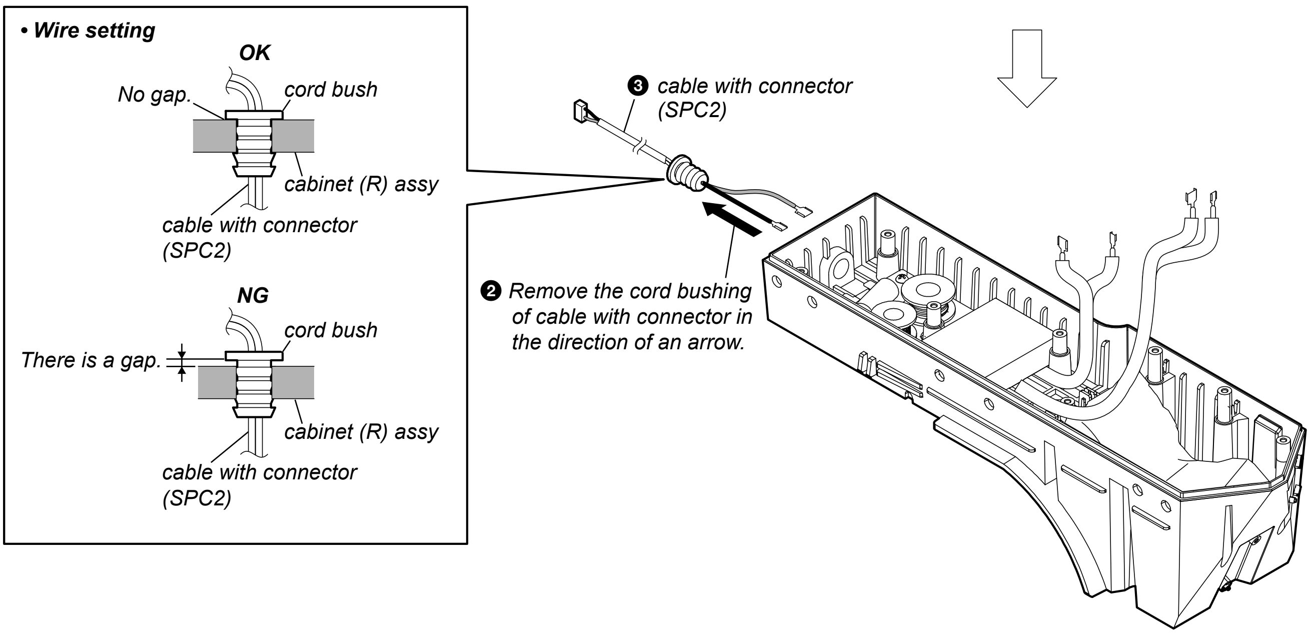


2-26. LOUDSPEAKER (2 cm) (SP2) (R-ch)

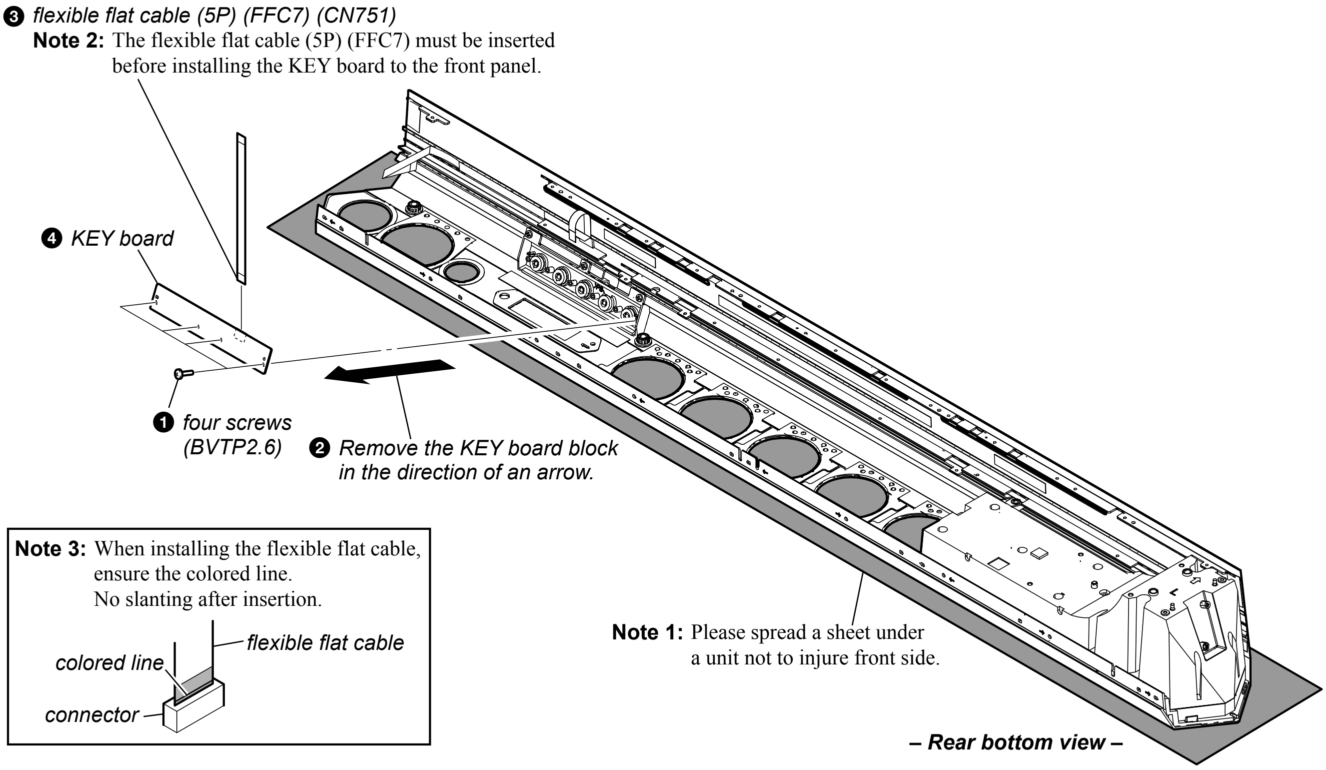


2-27. CABLE WITH CONNECTOR (SPC2) (R-ch)

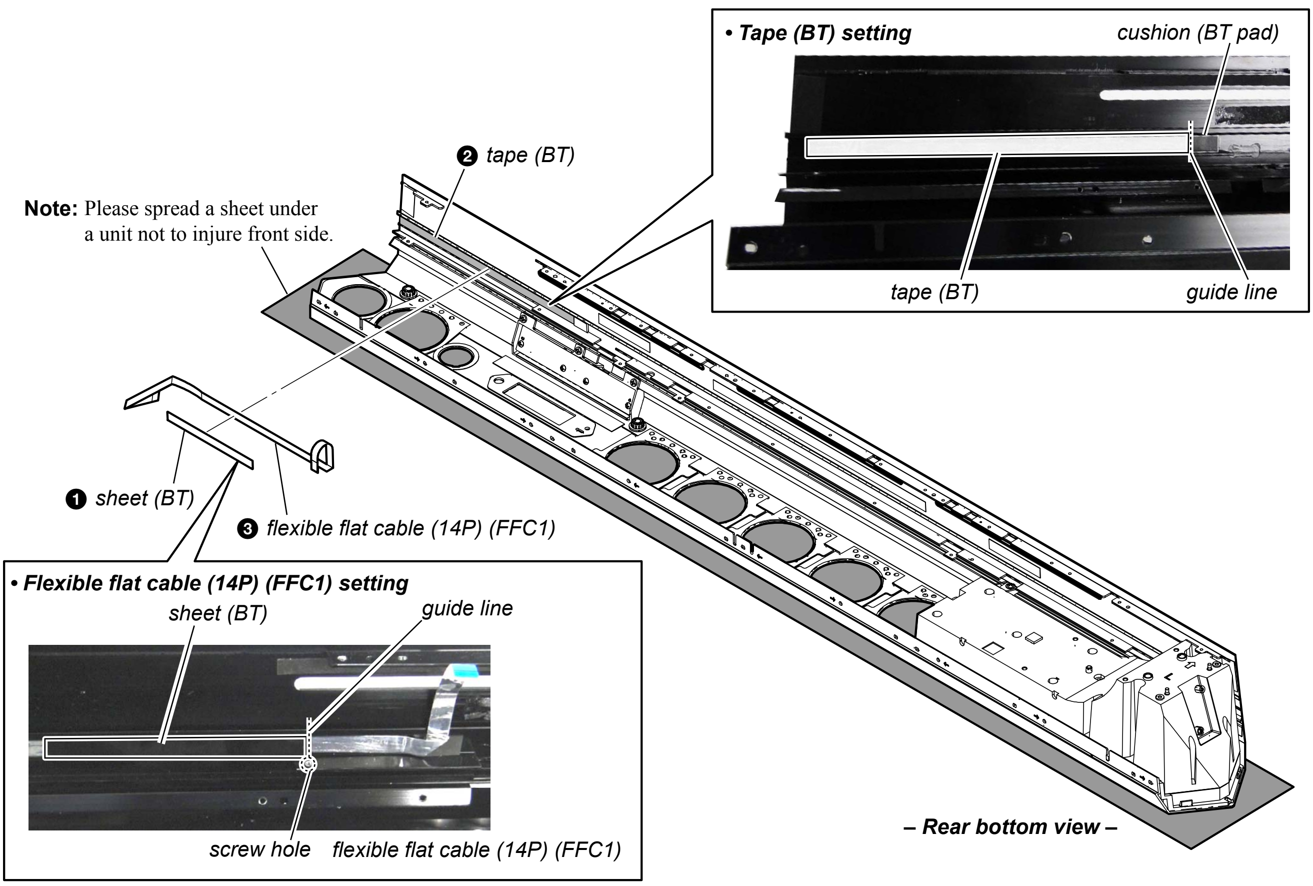




2-28. KEY BOARD



2-29. FLEXIBLE FLAT CABLE (14P) (FFC1)



SECTION 3
TEST MODE

1. TEST MODES OTHER THAN THE TEST MODE MENU

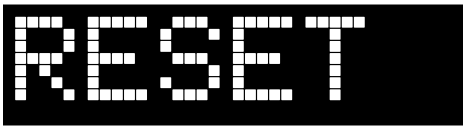
These are executable test mode even if not entering the test mode menu.

1-1. Cold Reset

It can initialize various backup information.

Procedure:

1. Press the [I/⏻] button to turn the power on.
2. Press the three buttons of the [INPUT], [VOLUME –] and [I/⏻] simultaneously.
3. The message “RESET” is displayed on the fluorescent indicator tube, then turn the power off.

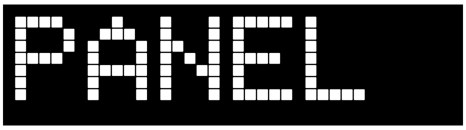


2. TEST MODES IN THE TEST MODE MENU

These are the test modes done in the test mode menu.

Setting method of the test mode menu:

1. Press the [I/⏻] button to turn the power on.
2. Press the two buttons of the [INPUT] and [VOLUME +] simultaneously for five seconds.
3. The message “PANEL” blinks on the fluorescent indicator tube and enter the test mode menu.



Releasing method of the test mode menu:

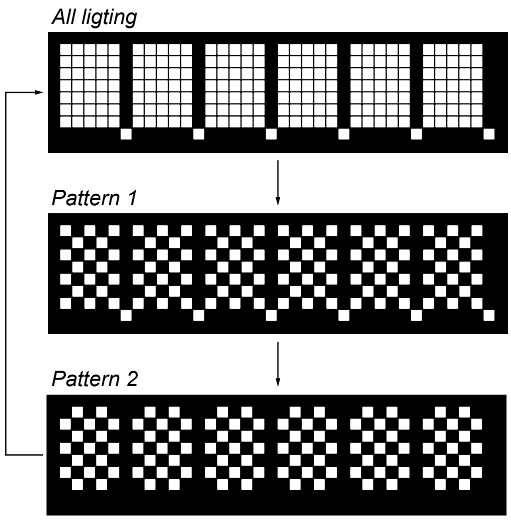
Press the [I/⏻] button to release the test mode menu.

2-1. Panel Test Mode

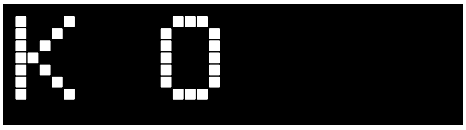
It can confirm the lighting of fluorescent indicator tube and LEDs, operation of buttons, display of model name, destination and software version.

Procedure:

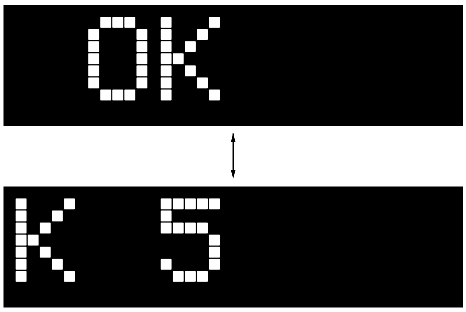
1. Enter the test mode menu.
   (Refer to “Setting method of the test mode menu”)
2. In the state of blinking the “PANEL” on the fluorescent indicator tube, press the [INPUT] button.
3. All segments in the fluorescent indicator tube and all LEDs are lighted up.
4. When pressing the [VOLUME +] button, the display on the fluorescent indicator tube repeatedly changes in order from all lighting → pattern 1 (power indicator LED (white color) is lighted up) → pattern 2 (Bluetooth indicator LED (blue color) and [MUTING] LED are lighted up).



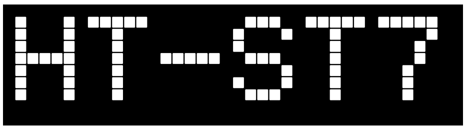
5. In the state of step 4, press the [VOLUME –] button and “K 0” is displayed on the fluorescent indicator tube.



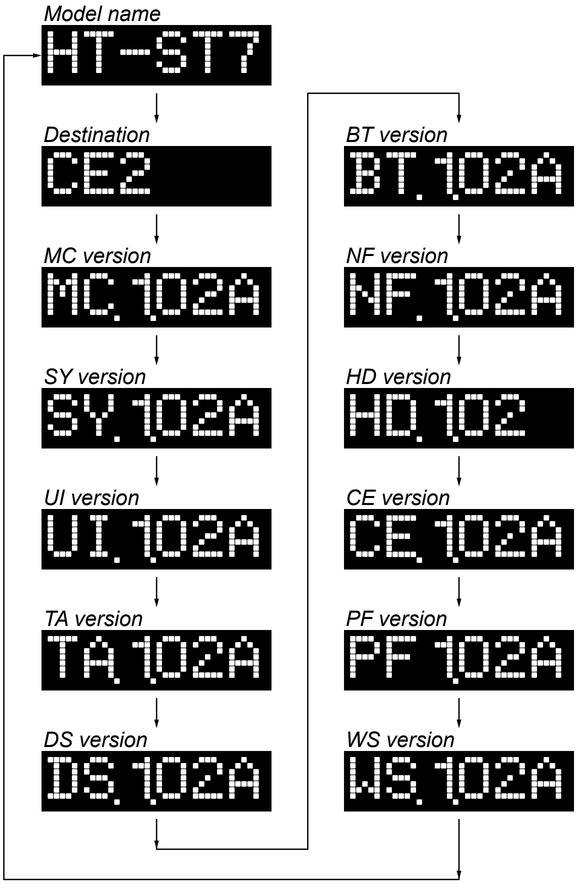
Each time a button is pressed, “K 0” value increases. However, once a button is pressed, it is no longer taken into account.
When pressing the all buttons, “OK” and “K 5” are alternately displayed on the fluorescent indicator tube.



6. In the state of step 4, press the [INPUT] button and model name “HT-ST7” is displayed on the fluorescent indicator tube.



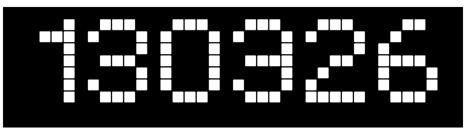
Each time the [VOLUME +] button is pressed, the display changes from destination → MC (μ-com) version → SY (system) version → UI version → TA (AMP) version → DS (DSP) version → BT (Bluetooth) version → NF (NFC) version → HD (HDMI) version, → CE (CEC) version → PF (platform) version → WS (wireless sound) version in this order, and returns to the model name display.



(Displayed values in the above figure are example)

Destination	Display
US, Canadian and Australian models	NA
AEP and UK models	CE2

7. When [INPUT] button is pressed while the each version is displayed on the fluorescent indicator tube, year, month and day of the software creation is displayed on the fluorescent indicator tube.



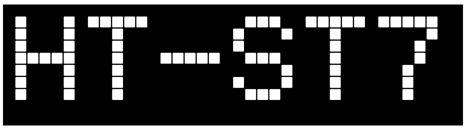
(Displayed values in the above figure are example)

When [INPUT] button is pressed again, the display returns to the each version display.

Releasing method:
Press the [I/⏻] button to release the test mode menu.
(When the “K 0” to “K 4” is displayed on the fluorescent indicator tube, press the [I/⏻] button on the remote commander to release the test mode menu)

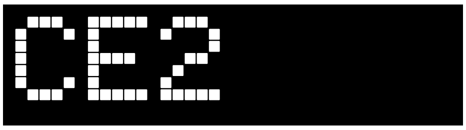
2-2. Model Name Display Mode
It can display the model name.

Procedure:
1. Enter the test mode menu.
   (Refer to “Setting method of the test mode menu” on page 27)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “HT-ST7”.



2-3. Destination Display Mode
It can display the destination.

Procedure:
1. Enter the test mode menu.
   (Refer to “Setting method of the test mode menu” on page 27)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the destination.

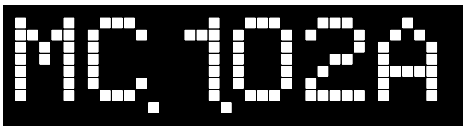


(Displayed values in the above figure are example)

Destination	Display
US, Canadian and Australian models	NA
AEP and UK models	CE2

2-4. MC Version Display Mode
It can display the MC (μ-com) version.

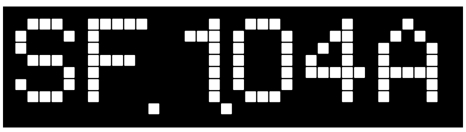
Procedure:
1. Enter the test menu.
   (Refer to “Setting method of the test mode menu” on page xx)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “MC.X.XXX” (X.XXX: MC (μ-com) version).



(Displayed values in the above figure are example)

2-5. Serial Flash Version Display Mode
It can display the SF (serial flash) version.

Procedure:
1. Enter the test menu.
   (Refer to “Setting method of the test mode menu” on page 27)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “SF.X.XXX” (X.XXX: SF (serial flash) version).



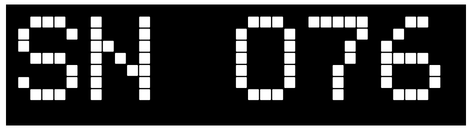
(Displayed values in the above figure are example)

2-6. DSP Sound Number Display Mode

It can display the SN (DSP sound number) number.

Procedure:

1. Enter the test menu.
   (Refer to “Setting method of the test mode menu” on page 27)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “SN XXX” (XXX: DSP sound number (000 to 998)).



(Displayed values in the above figure are example)

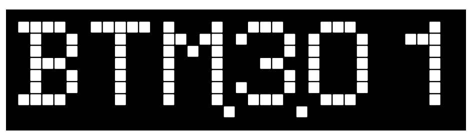
Note: “SN ---” is displayed when the information of serial flash is not able to be acquired.

2-7. BT Module F/W Version Display Mode

It can display the BT (Bluetooth) module firmware varsion.

Procedure:

1. Enter the test menu.
   (Refer to “Setting method of the test mode menu” on page 27)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “BTM.X.XX” (X.XX: BT (Bluetooth) module firmware version).



(Displayed values in the above figure are example)

2-8. AMP Test Mode

(It is displayed “AMP” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-9. Tone Test Mode

It can confirm the test tone output from each speaker.

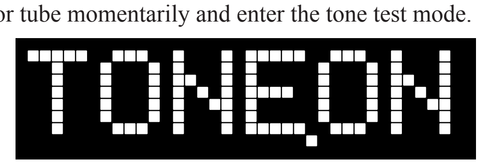
Preparation:

Connect the Subwoofer (SA-WST7) and the Sound Bar (SA-ST7) by wireless.

Note: Refer to “SETTING METHOD OF THE WIRELESS CONNECTION ”on page 4 for details of wireless connection.

Procedure:

1. Enter the test mode menu.
   (Refer to “Setting method of the test mode menu” on page 27)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “T TONE”, press the [INPUT] button.
3. The message “TONE.ON” is displayed on the fluorescent indicator tube momentarily and enter the tone test mode.



4. The output speaker is displayed on the fluorescent indicator tube. At the same time, test tone is output from speaker.
   (The output speaker repeatedly changes automatically in following order)

Output speaker	Display
Front L-ch	L3
Surround Back R-ch	R1
Surround L-ch	L2
Surround R-ch	R2
Surround Back L-ch	L1
Front R-ch	R3
Center	C
Subwoofer	SW

Releasing method:

Press the [I/⏻] button to release the test mode menu.

2-10. Speaker Test Mode

(It is displayed “SPK.TST” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-11. VACS Display Mode

(It is displayed “V. DISP” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-12. VACS ON/OFF Mode

(It is displayed “V.ONOFF” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-13. DSP Halt Mode

(It is displayed “DSP.HLT” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-14. DSP Serial Flash Update Mode

(It is displayed “SF UPD” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-15. Stream Information Mode

(It is displayed “STREAM” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-16. HDCP Key Read Mode

(It is displayed “HDCP” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-17. NFC Test Mode

(It is displayed “NFC.TST” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-18. Wireless Sound Test Mode

It can display the μ-com version of Subwoofer (SA-WST7).

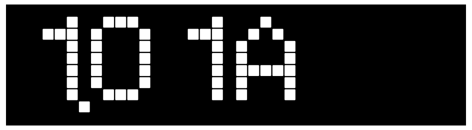
Note : More than one item may be displayed on the fluorescent indicator tube, but it is not used for the servicing other than “VER.CHE”.

Preparation:

- Prepare the remote commander attached to this unit.
  Remote commander:
  RM-AMU164
- Connect the Subwoofer (SA-WST7) and the Sound Bar (SA-ST7) by wireless.
  Note: Refer to “SETTING METHOD OF THE WIRELESS CONNECTION ”on page 4 for details of wireless connection.

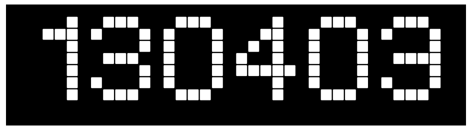
Procedure:

1. Enter the test mode menu.
   (Refer to “Setting method of the test mode menu” on page 27)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “WS TST”, press the [INPUT] button.
3. The message “QUALIT” is displayed on the fluorescent indicator tube momentarily and enter the wireless sound test mode.
4. Press the [⬆]/[⬇] buttons on the remote commander, select the “VER.CHE”, and press the [ENTER] button on the remote commander.
5. The μ-com version of Subwoofer (SA-WST7) is displayed on the fluorescent indicator tube.



(Displayed values in the above figure are example)

6. When [⬆]/[⬇] buttons on the remote commander is pressed while the μ-com version of Subwoofer (SA-WST7) is displayed on the fluorescent indicator tube, year, month and day of the creation is displayed on the fluorescent indicator tube.



(Displayed values in the above figure are example)

When [⬆]/[⬇] buttons on the remote commander is pressed again, the display returns to the μ-com version of Subwoofer (SA-WST7) display.

Releasing method:

Press the [I/⏻] button to release the test mode menu.

2-19. Wireless Sound Cold Reset

It can initialize various backup information of Subwoofer (SA-WST7).

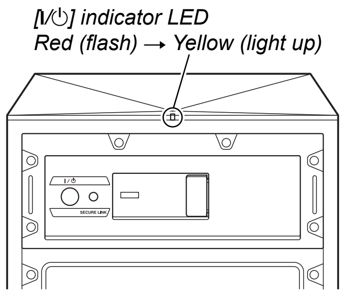
Preparation:

Connect the Subwoofer (SA-WST7) and the Sound Bar (SA-ST7) by wireless.

Note: Refer to “SETTING METHOD OF THE WIRELESS CONNECTION ”on page 4 for details of wireless connection.

Procedure:

1. Enter the test mode menu.
   (Refer to “Setting method of the test mode menu” on page 27)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “WS RST”, press the [INPUT] button.
3. The [I/⏻] indicator LED on the Subwoofer (SA-WST7) turns red and flashes, then turns on yellow.



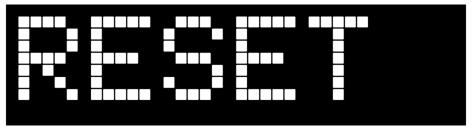
4. Pull out the power cord on the Subwoofer (SA-WST7) from an outlet and insert the power cord again.

2-20. Cold Reset

It can initialize various backup information.

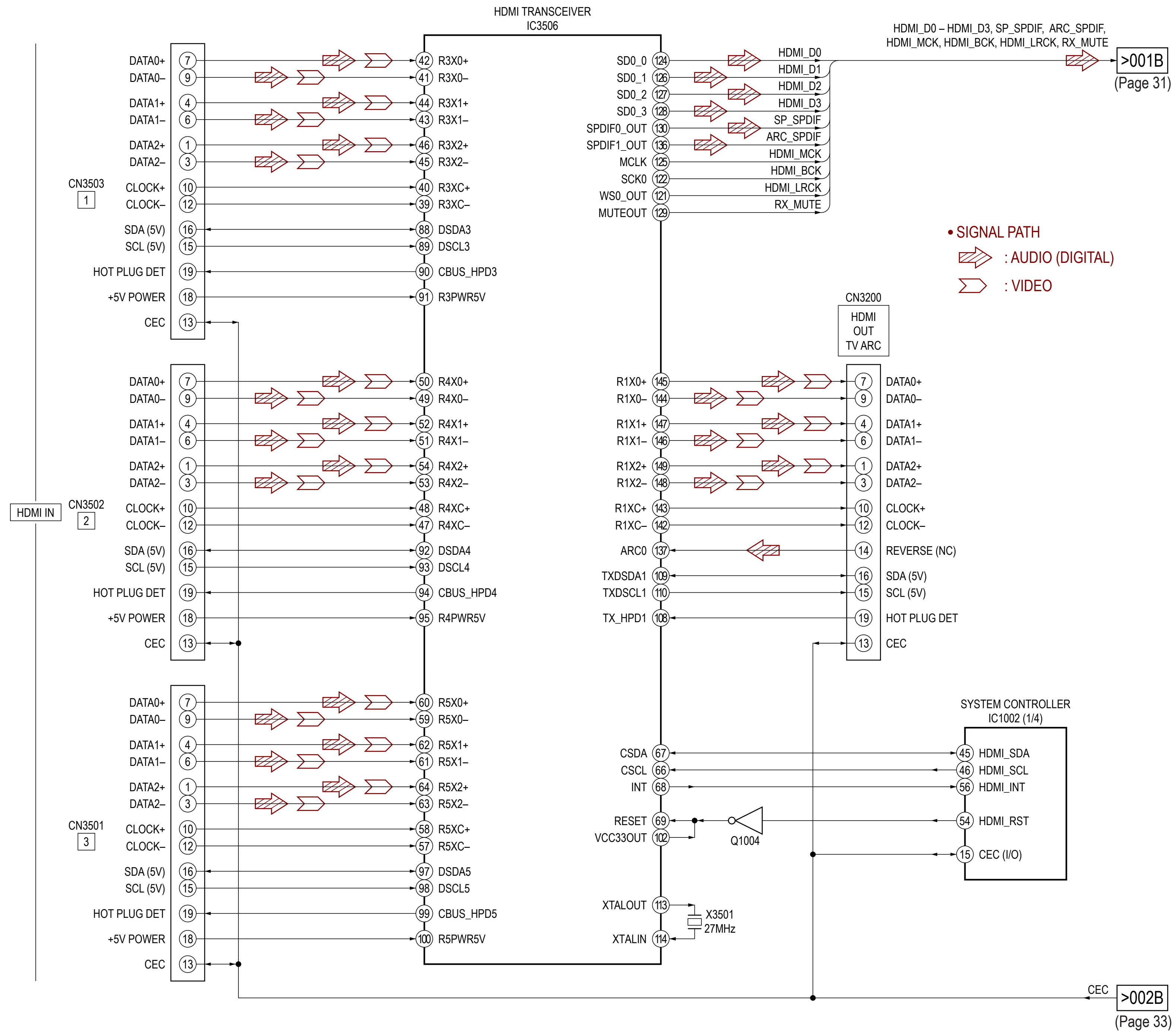
Procedure:

1. Enter the test mode menu.
   (Refer to “Setting method of the test mode menu” on page 27)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “RESET”, press the [INPUT] button.
3. The message “RESET” is displayed on the fluorescent indicator tube, then turn the power off.

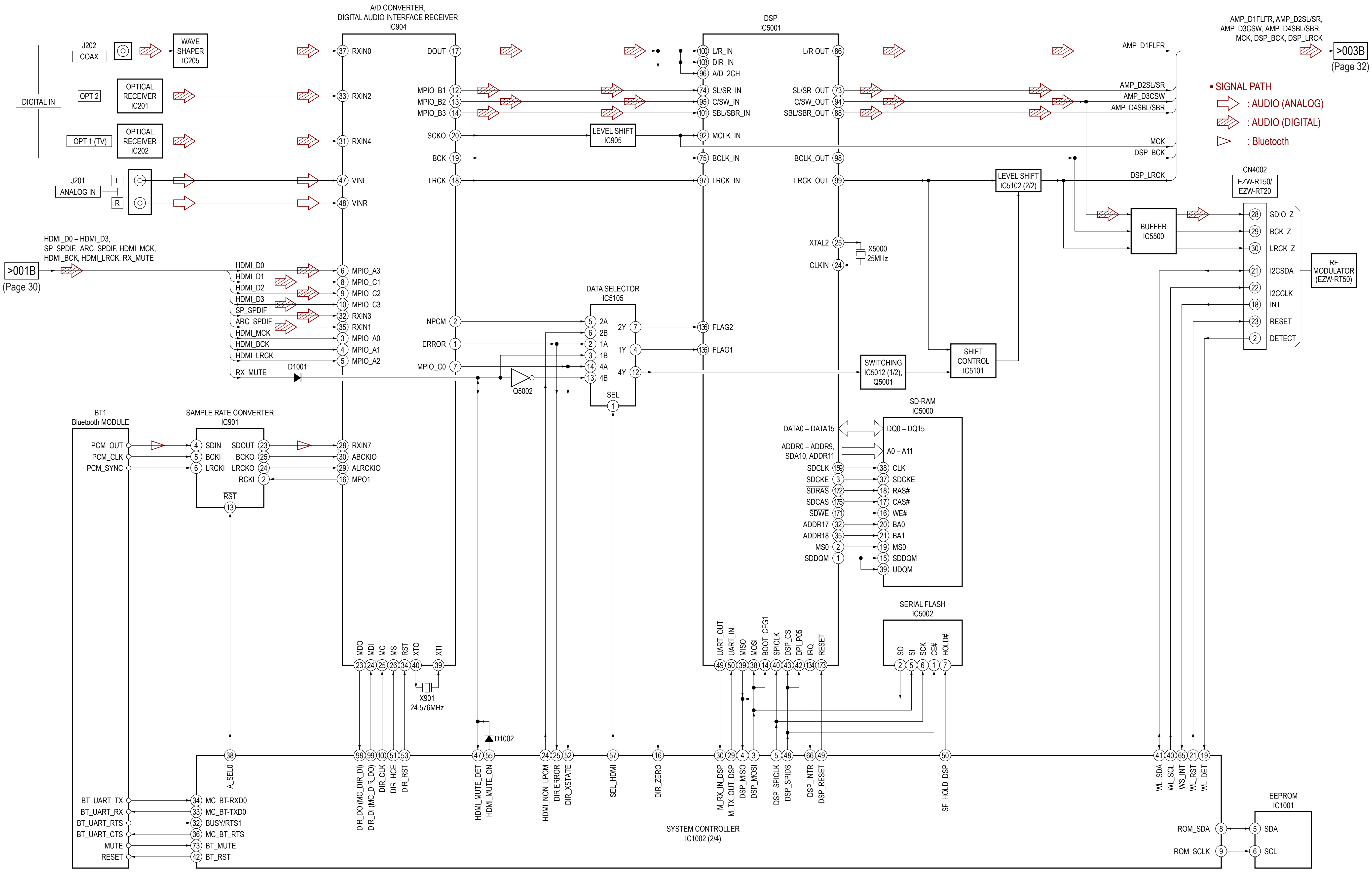


SECTION 4
DIAGRAMS

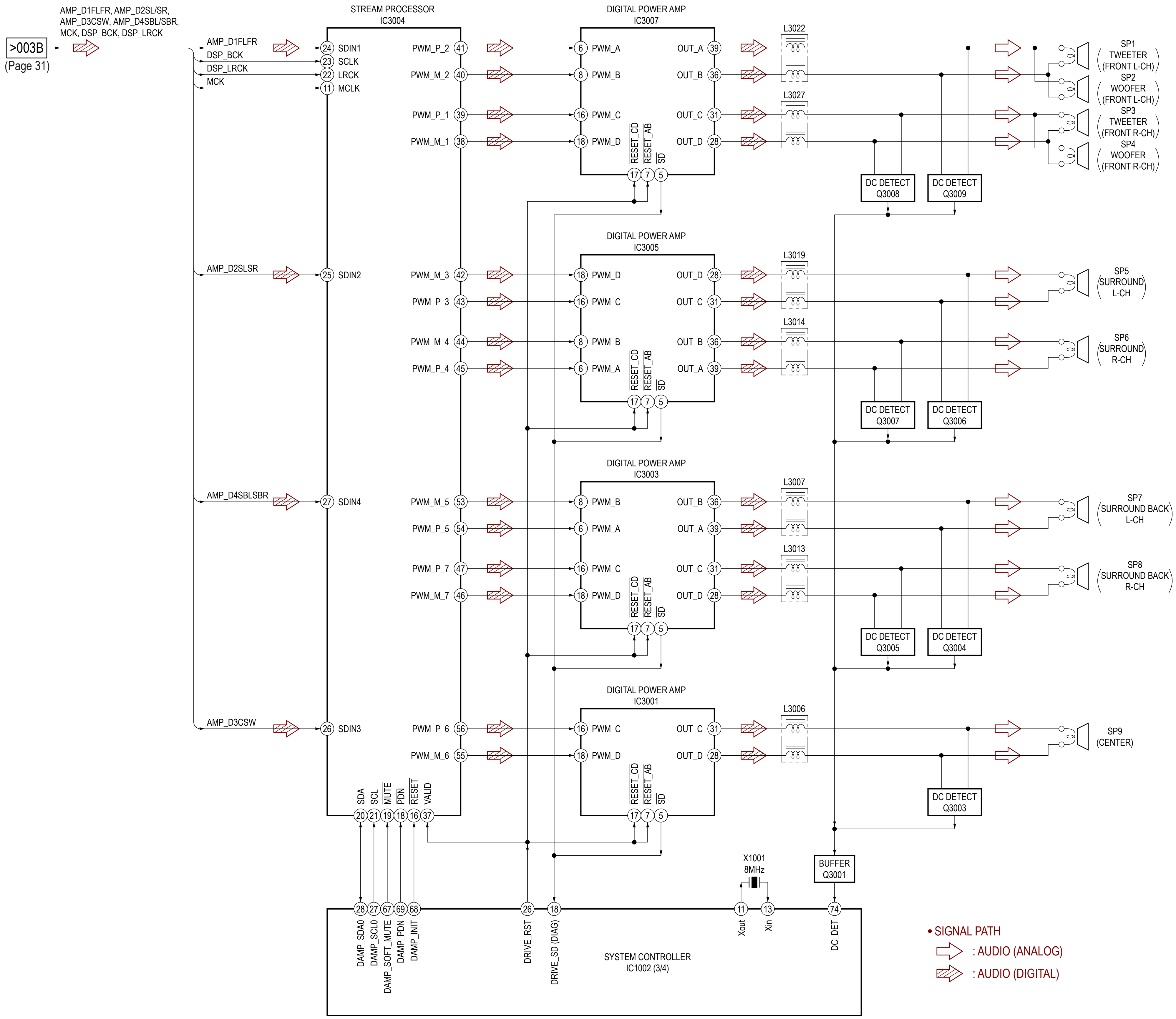
4-1. BLOCK DIAGRAM - HDMI Section -



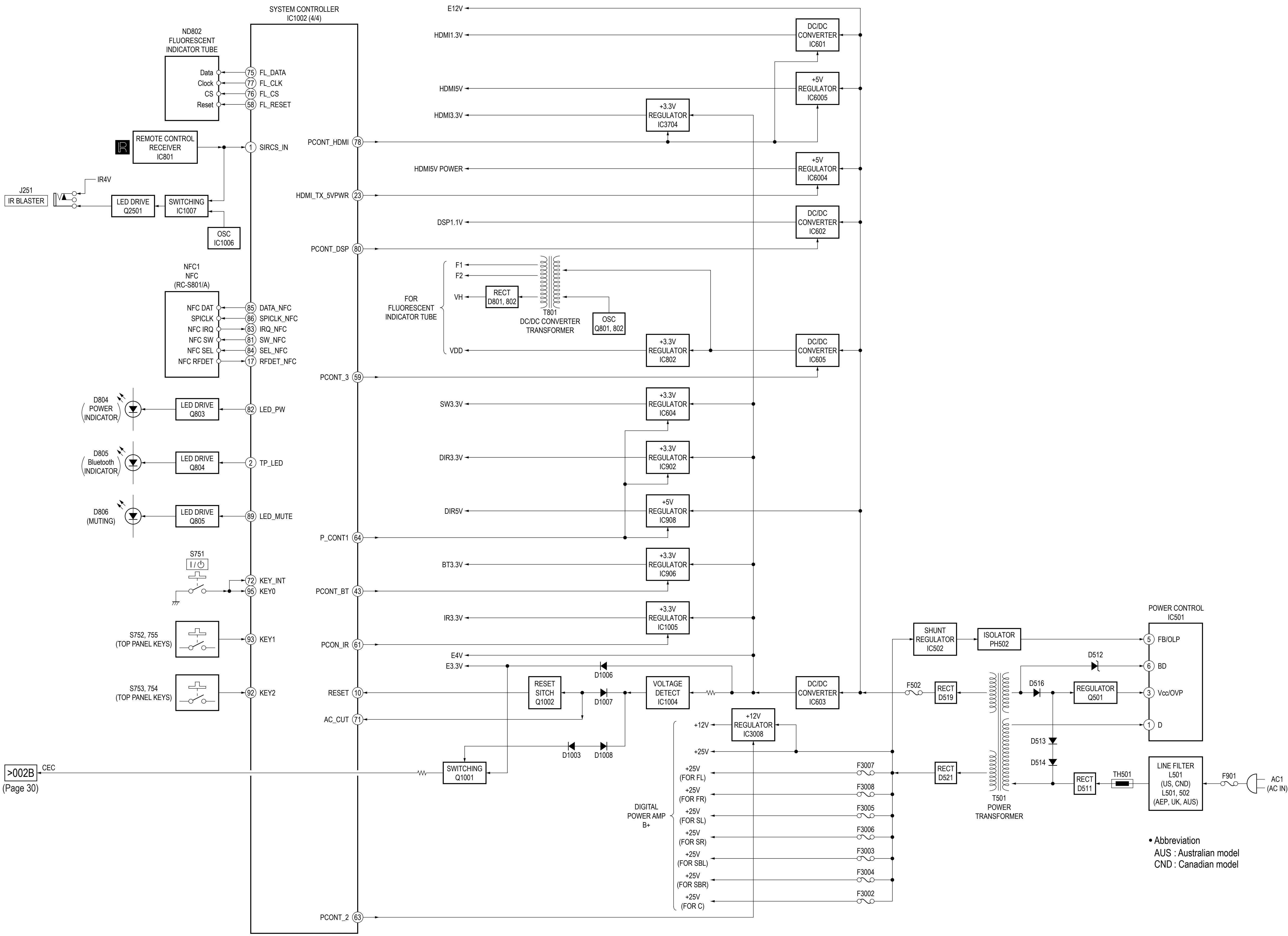
4-2. BLOCK DIAGRAM - MAIN Section -



4-3. BLOCK DIAGRAM - AMP Section -



4-4. BLOCK DIAGRAM - PANEL/POWER SUPPLY Section -



• Abbreviation
AUS : Australian model
CND : Canadian model

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

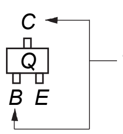
For Printed Wiring Boards.
Note:

- o——— : Parts extracted from the component side.
- ——— : Parts extracted from the conductor side.
- △ : Internal component.
- (green) : Pattern from the side which enables seeing.
  (The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

Caution:	
Pattern face side: (SIDE B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (SIDE A)	Parts on the parts face side seen from the parts face are indicated.

- MAIN board is multi-layer printed board. However, the patterns of intermediate layers have not been included in diagrams.
- Indication of transistor.



- Abbreviation
  AUS : Australian model
  CND : Canadian model

Note 1: When the complete AMP board is replaced, refer to "NOTE OF REPLACING THE IC3001, IC3003, IC3005 AND IC3007 ON THE AMP BOARD AND THE COMPLETE AMP BOARD" on page 4.

Note 2: When the complete MAIN board is replaced, refer to "ABOUT THE PAIRING METHOD" on page 4.

For Schematic Diagrams.
Note:

- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : Internal component.
- : Nonflammable resistor.
- : Fusible resistor.
- : Panel designation.

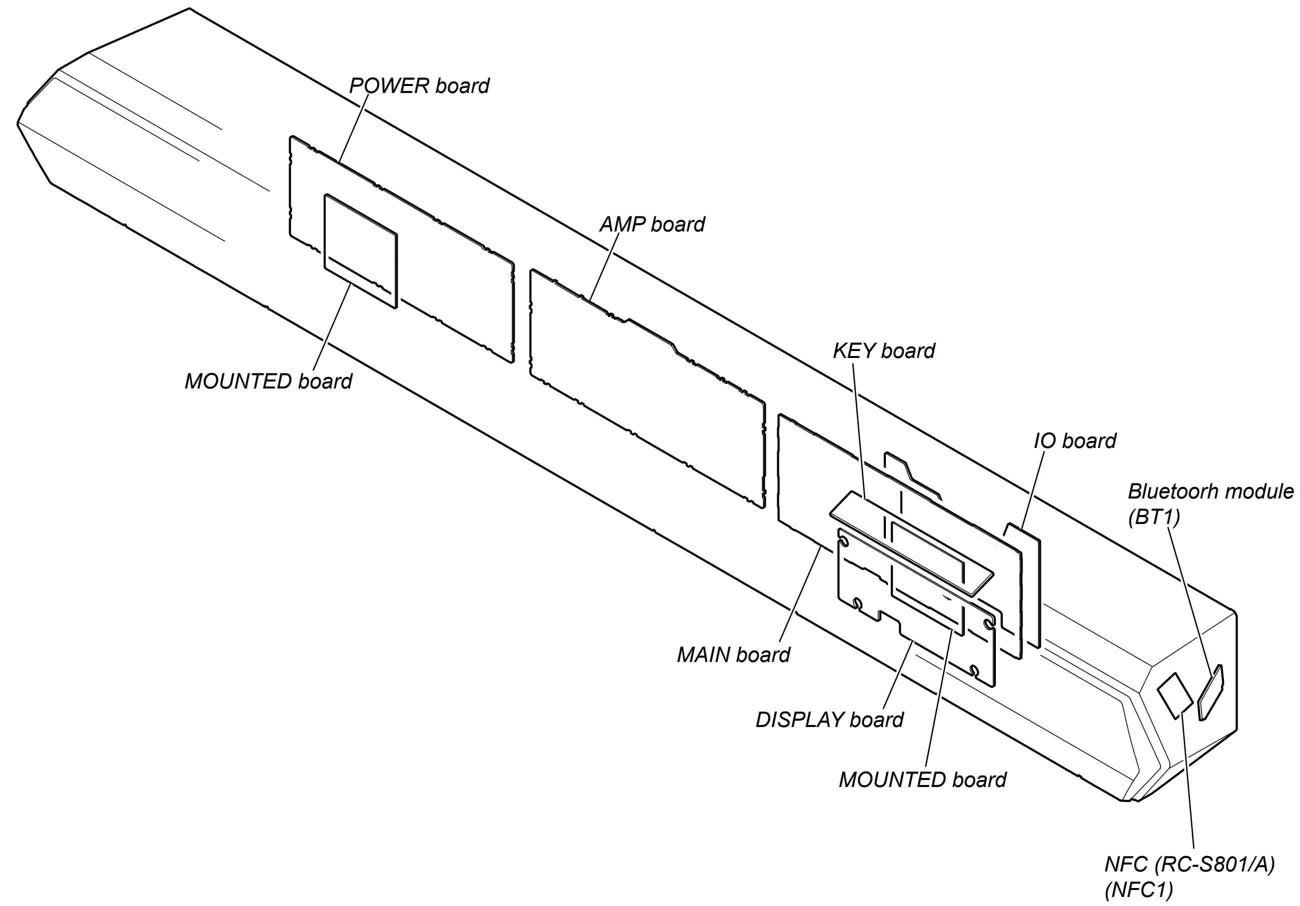
Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark: POWER ON
- Voltages are taken with VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : AUDIO (ANALOG)
  : AUDIO (DIGITAL)
  : VIDEO
  : Bluetooth
- Abbreviation
  AUS : Australian model
  CND : Canadian model

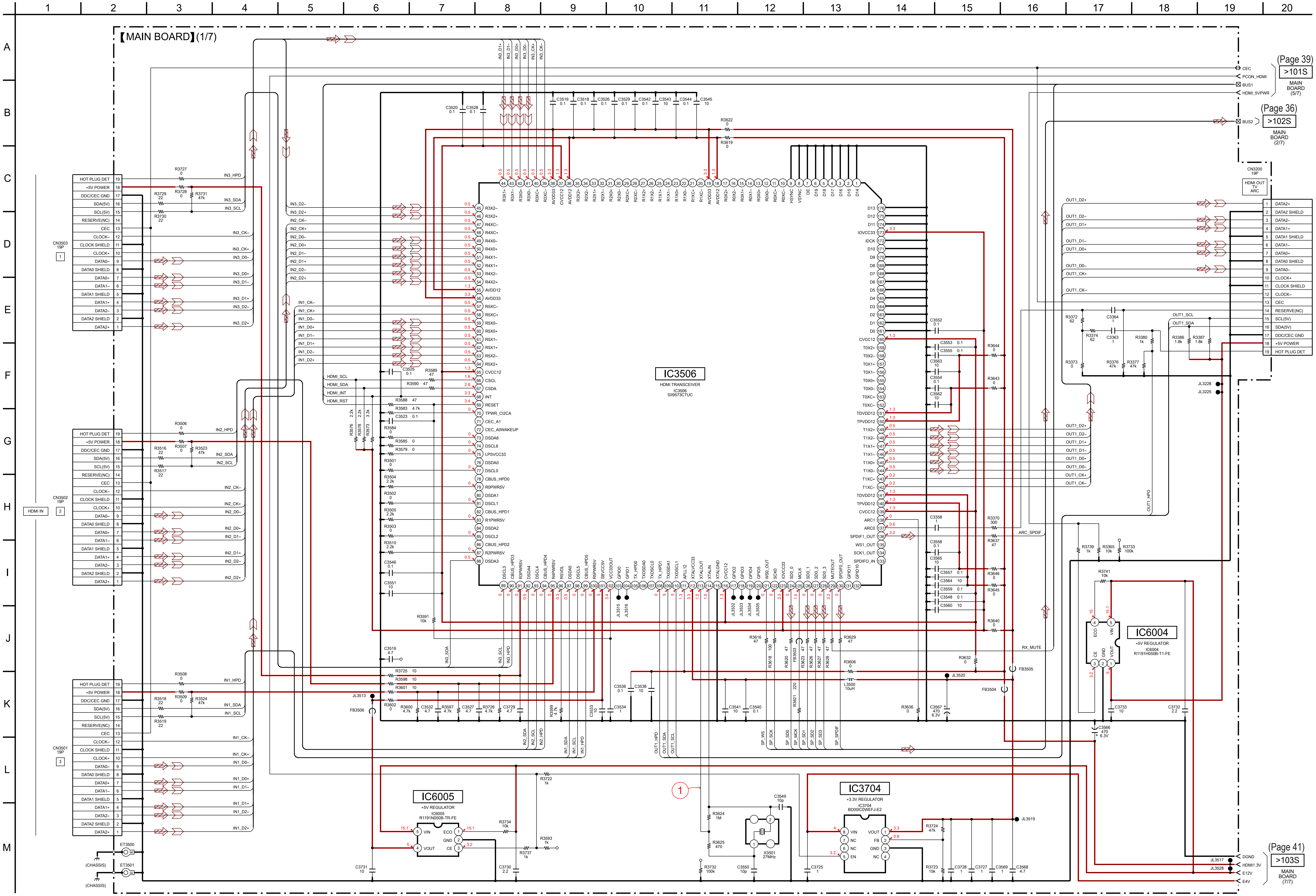
Note 1: When the complete AMP board is replaced, refer to "NOTE OF REPLACING THE IC3001, IC3003, IC3005 AND IC3007 ON THE AMP BOARD AND THE COMPLETE AMP BOARD" on page 4.

Note 2: When the complete MAIN board is replaced, refer to "ABOUT THE PAIRING METHOD" on page 4.

- **Circuit Boards Location**

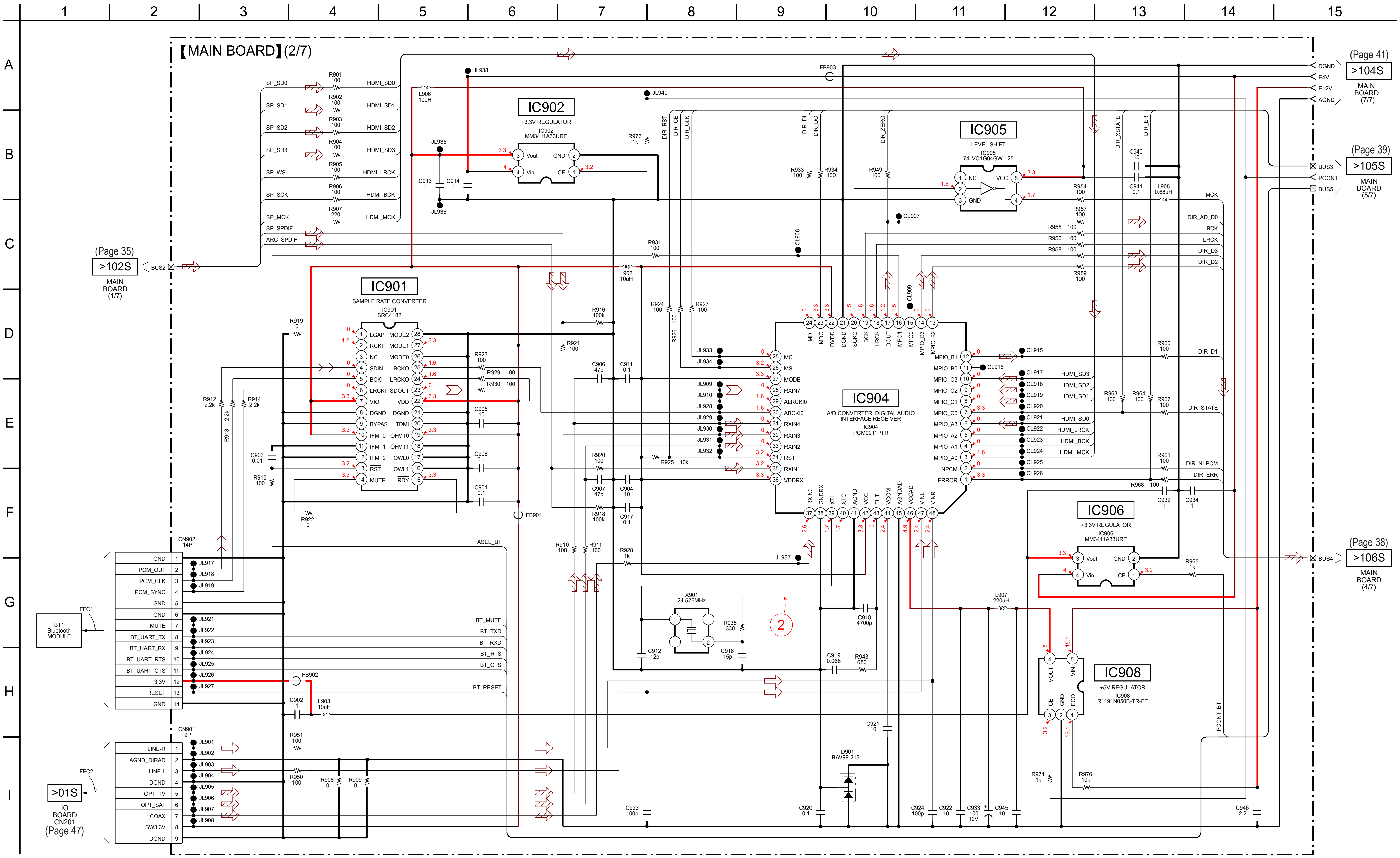


4-5. SCHEMATIC DIAGRAM - MAIN Board (1/7) - • See page 52 for Waveforms. • See page 52 for IC Block Diagrams. • See page 58 for IC Pin Function Description.

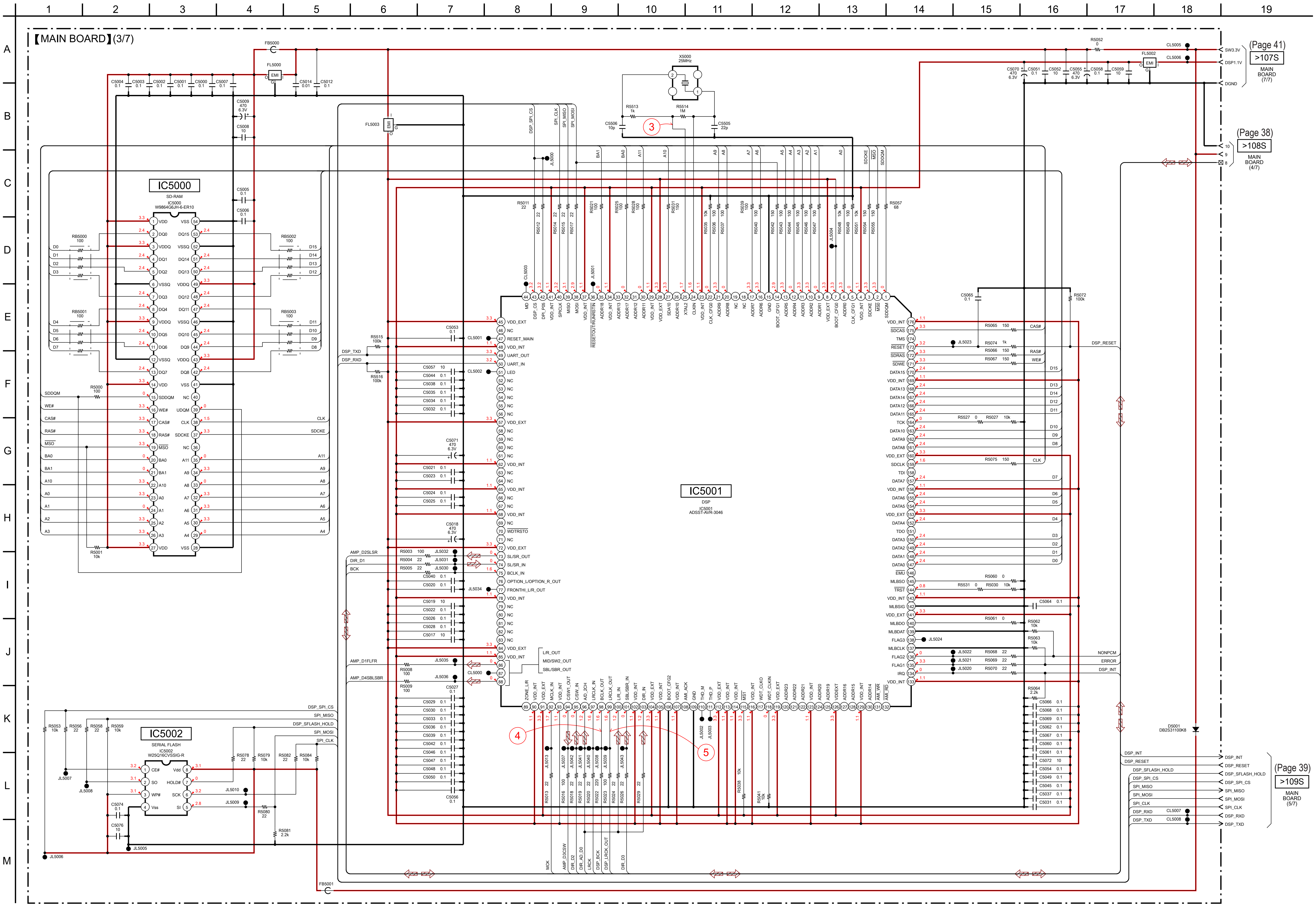


Note: IC3506 on the MAIN board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

4-6. SCHEMATIC DIAGRAM - MAIN Board (2/7) - • See page 52 for Waveforms. • See page 52 for IC Block Diagrams.

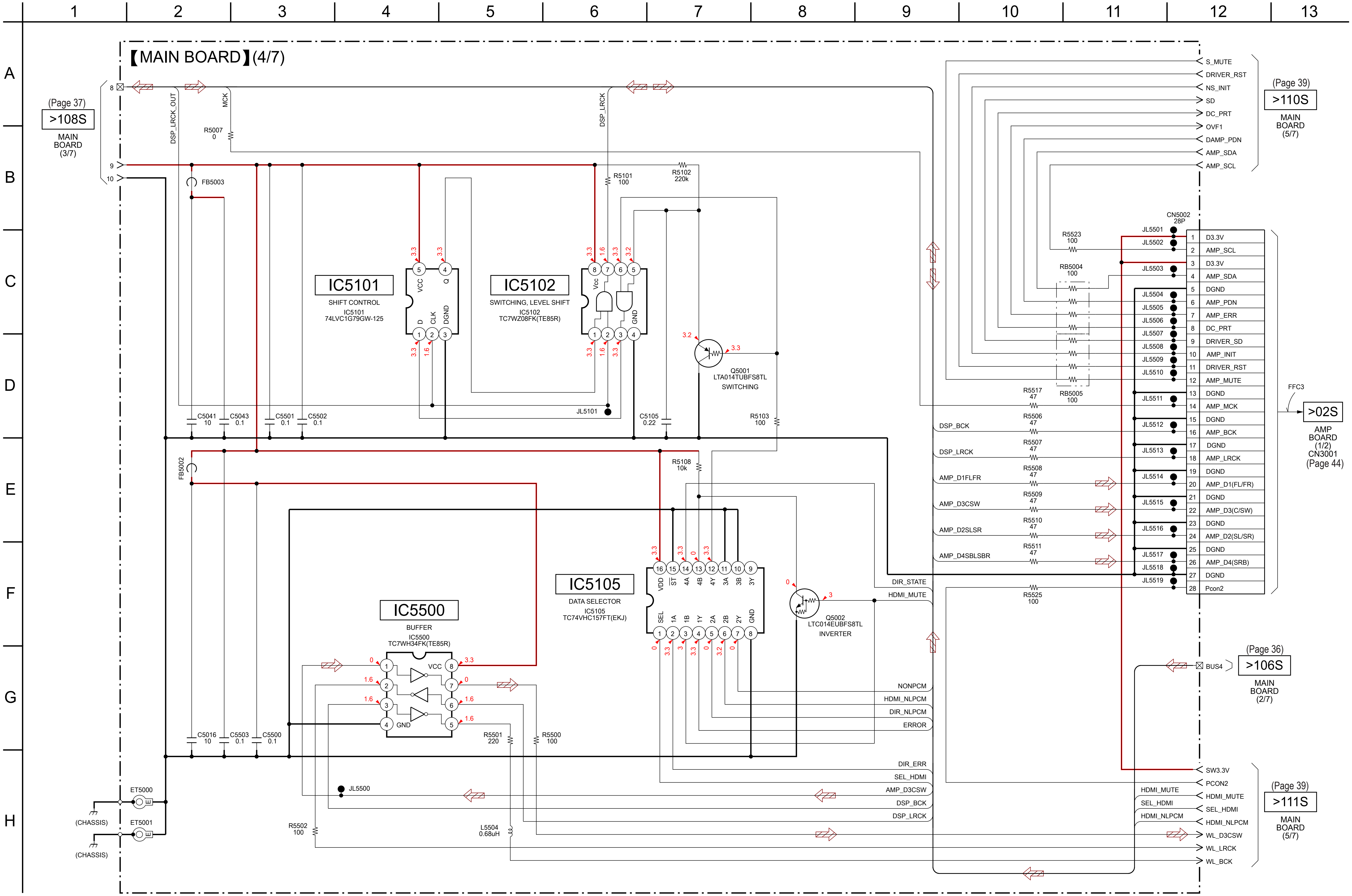


4-7. SCHEMATIC DIAGRAM - MAIN Board (3/7) - • See page 52 for Waveforms. • See page 58 for IC Pin Function Description.

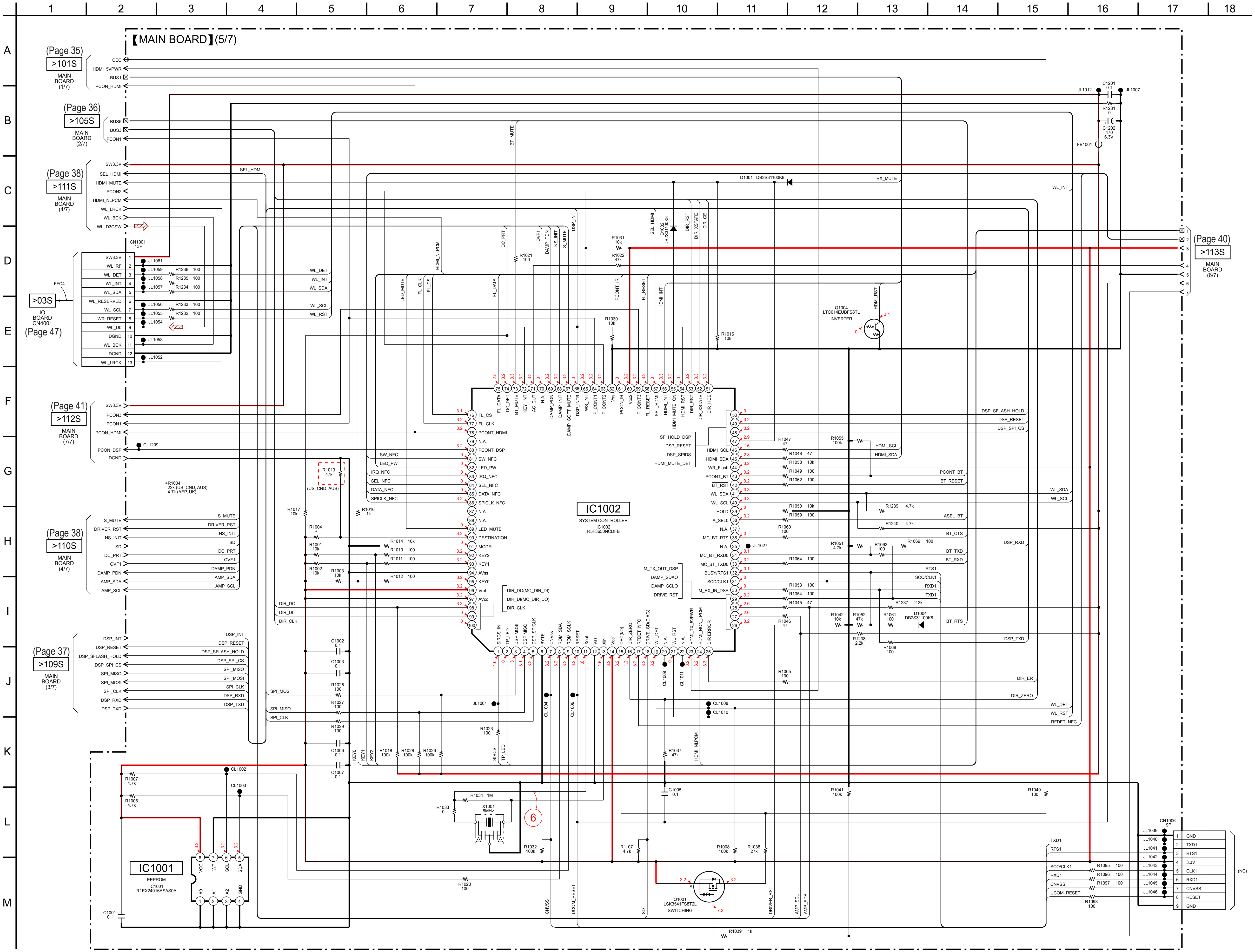


4-8. SCHEMATIC DIAGRAM - MAIN Board (4/7) -

• See page 52 for IC Block Diagrams.

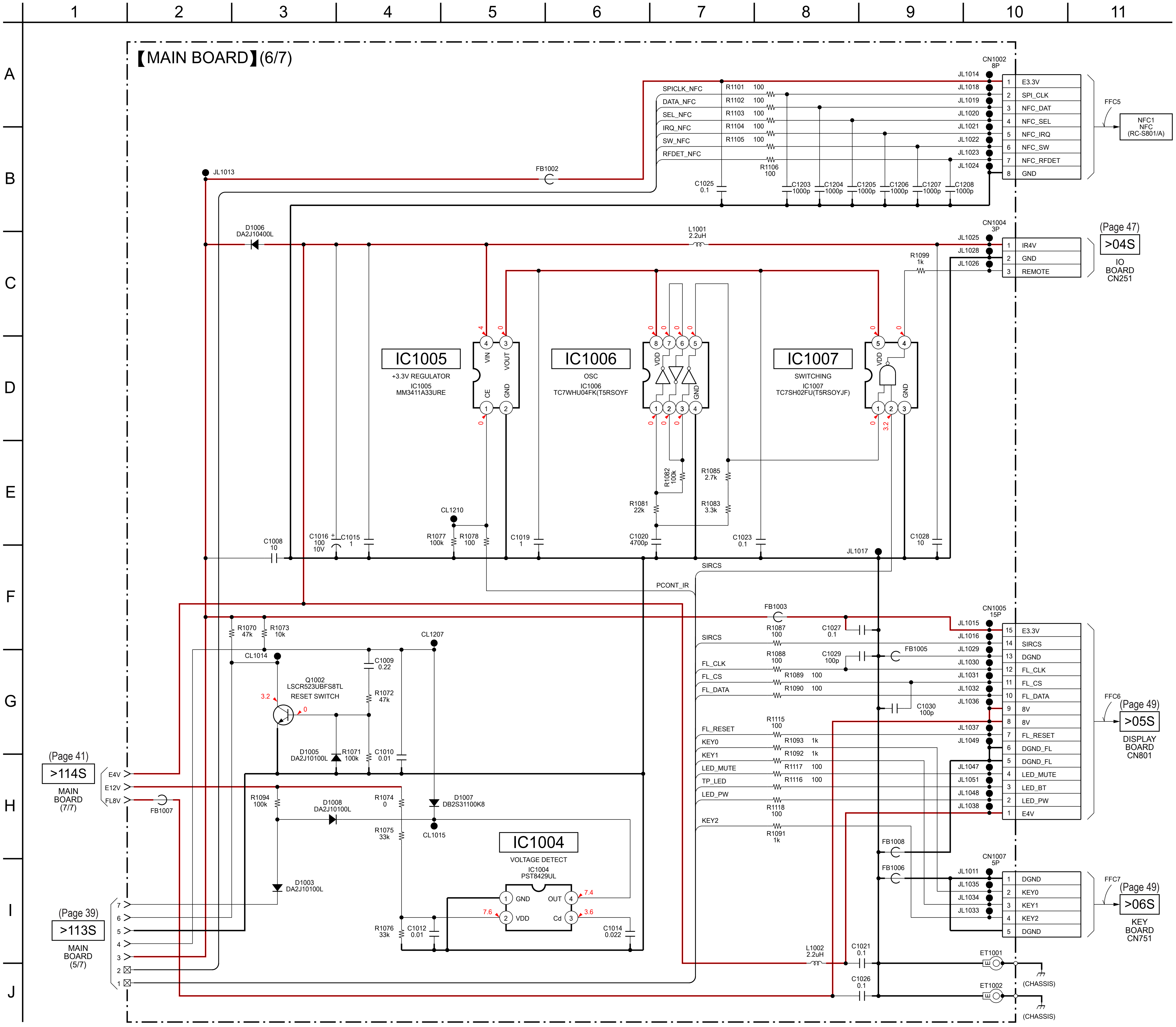


4-9. SCHEMATIC DIAGRAM - MAIN Board (5/7) - • See page 52 for Waveforms. • See page 58 for IC Pin Function Description.

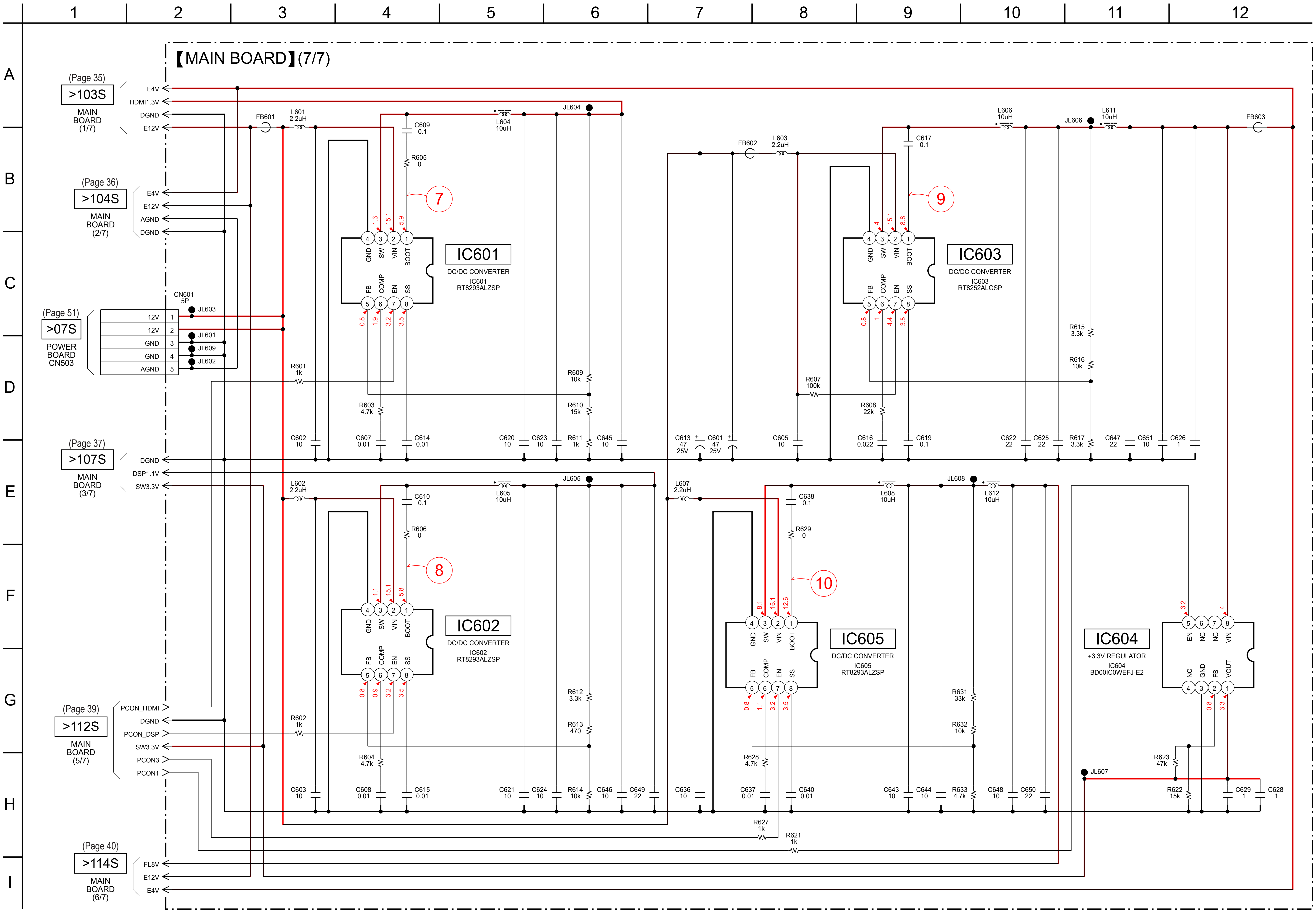


Note: When IC1002 on the MAIN board is replaced, refer to "ABOUT THE PAIRING METHOD" on page 4.

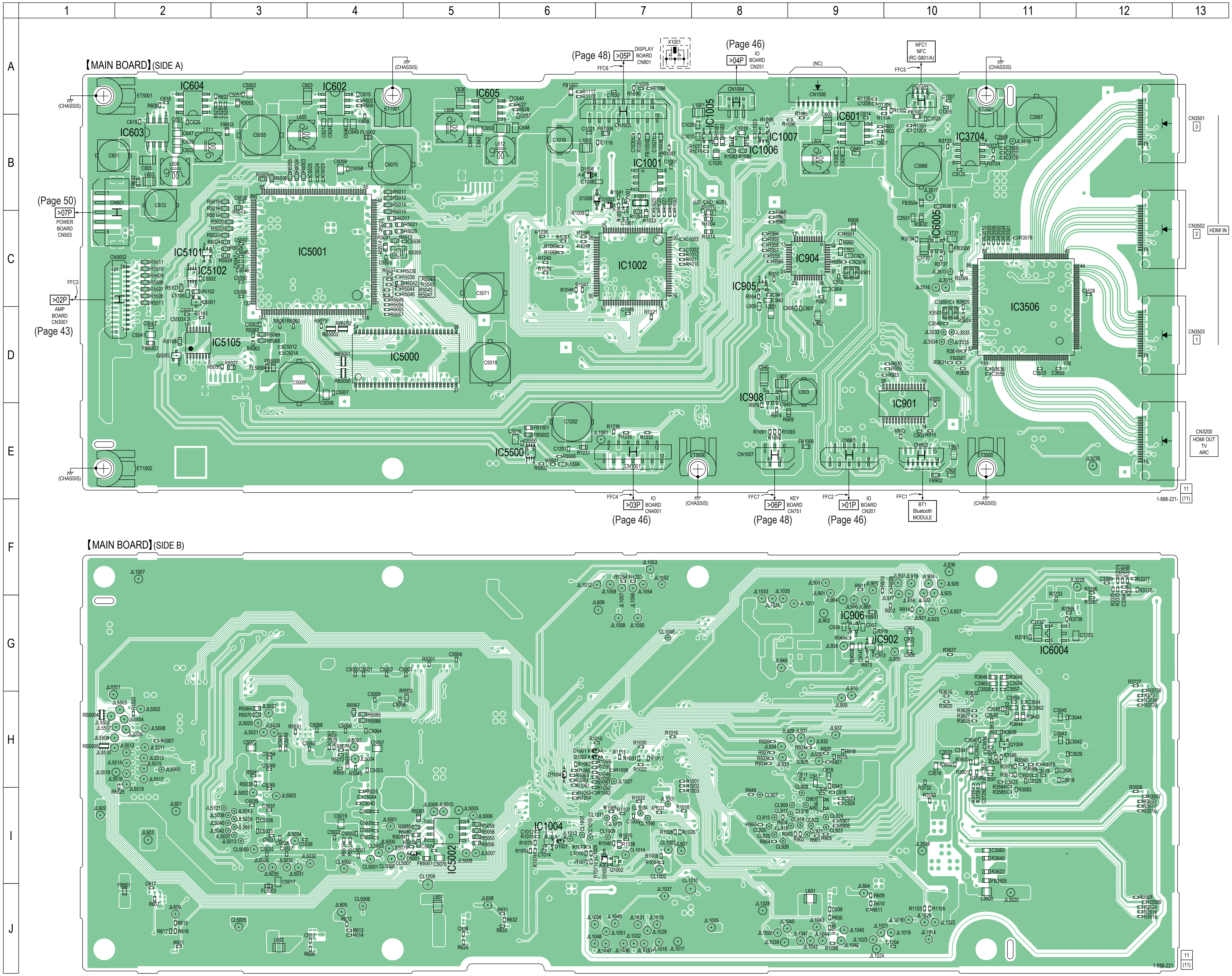
4-10. SCHEMATIC DIAGRAM - MAIN Board (6/7) - • See page 52 for IC Block Diagrams.



4-11. SCHEMATIC DIAGRAM - MAIN Board (7/7) - • See page 52 for Waveforms. • See page 52 for IC Block Diagrams.



4-12. PRINTED WIRING BOARD - MAIN Board - • See page 34 for Circuit Boards Location. • : Uses unleaded solder.

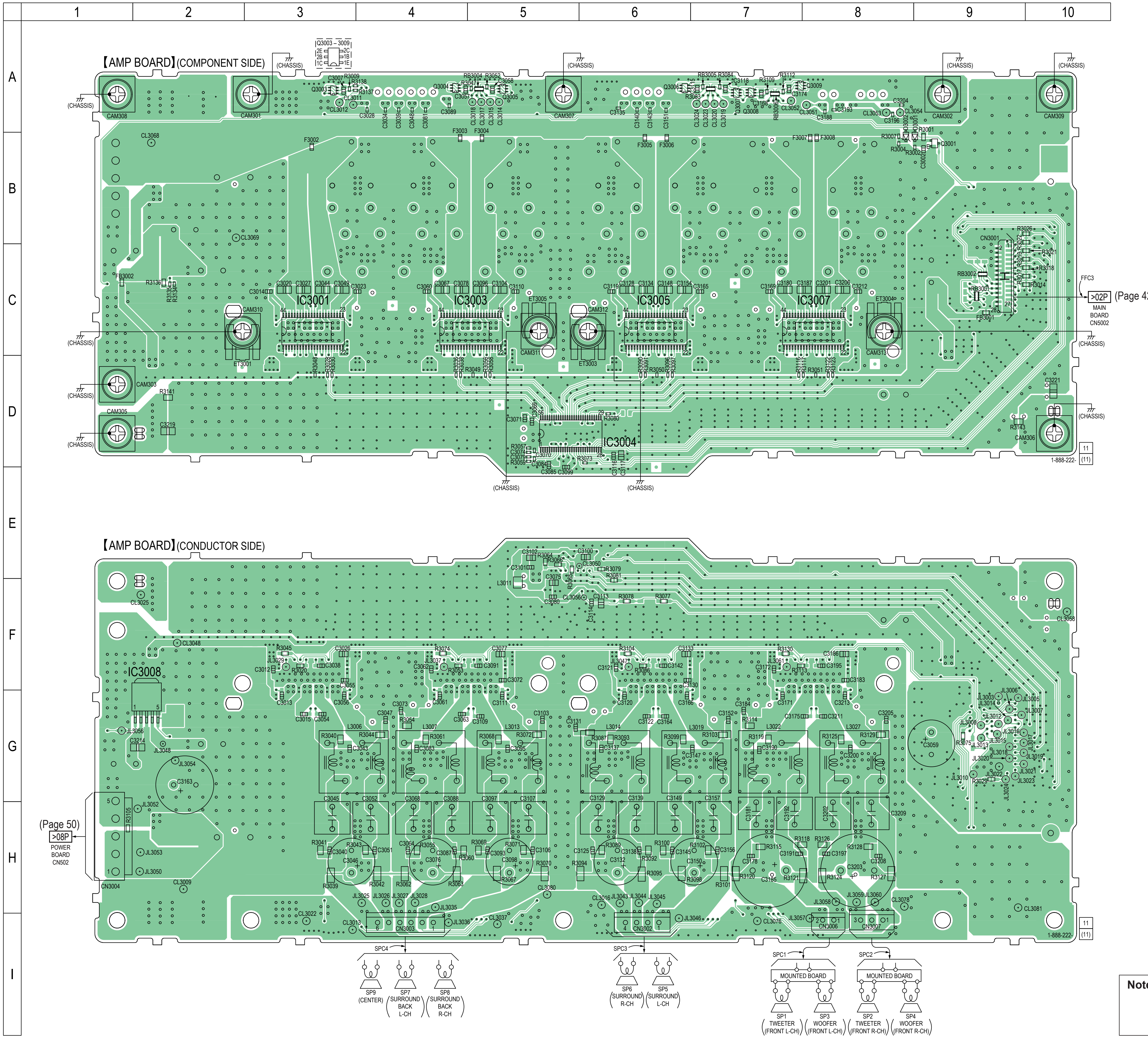


Note 1: When IC1002 on the MAIN board is replaced, refer to "ABOUT THE PAIRING METHOD" on page 4.

Note 2: IC3506 on the MAIN board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

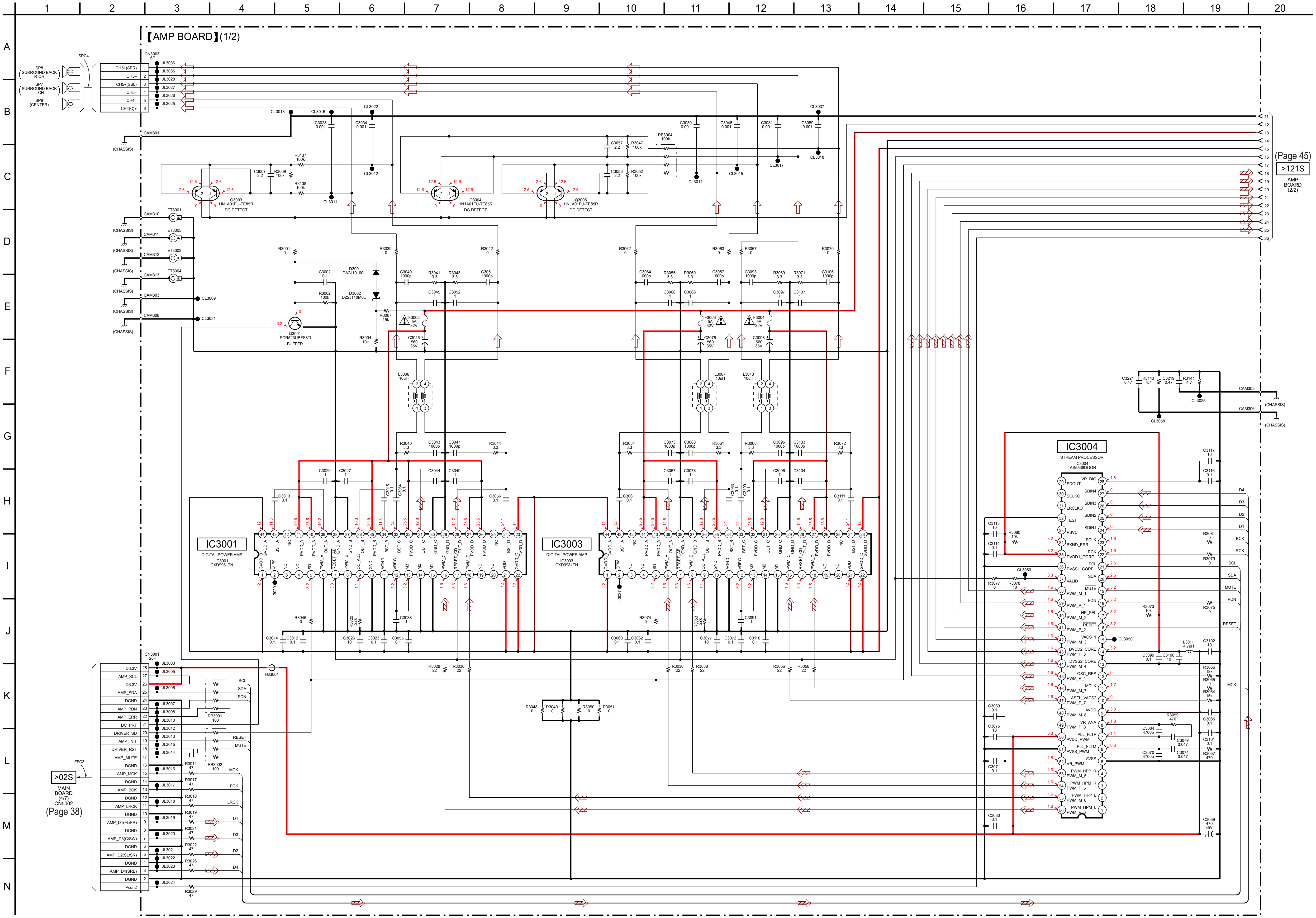
4-13. PRINTED WIRING BOARD - AMP Board -

• See page 34 for Circuit Boards Location. • : Uses unleaded solder.



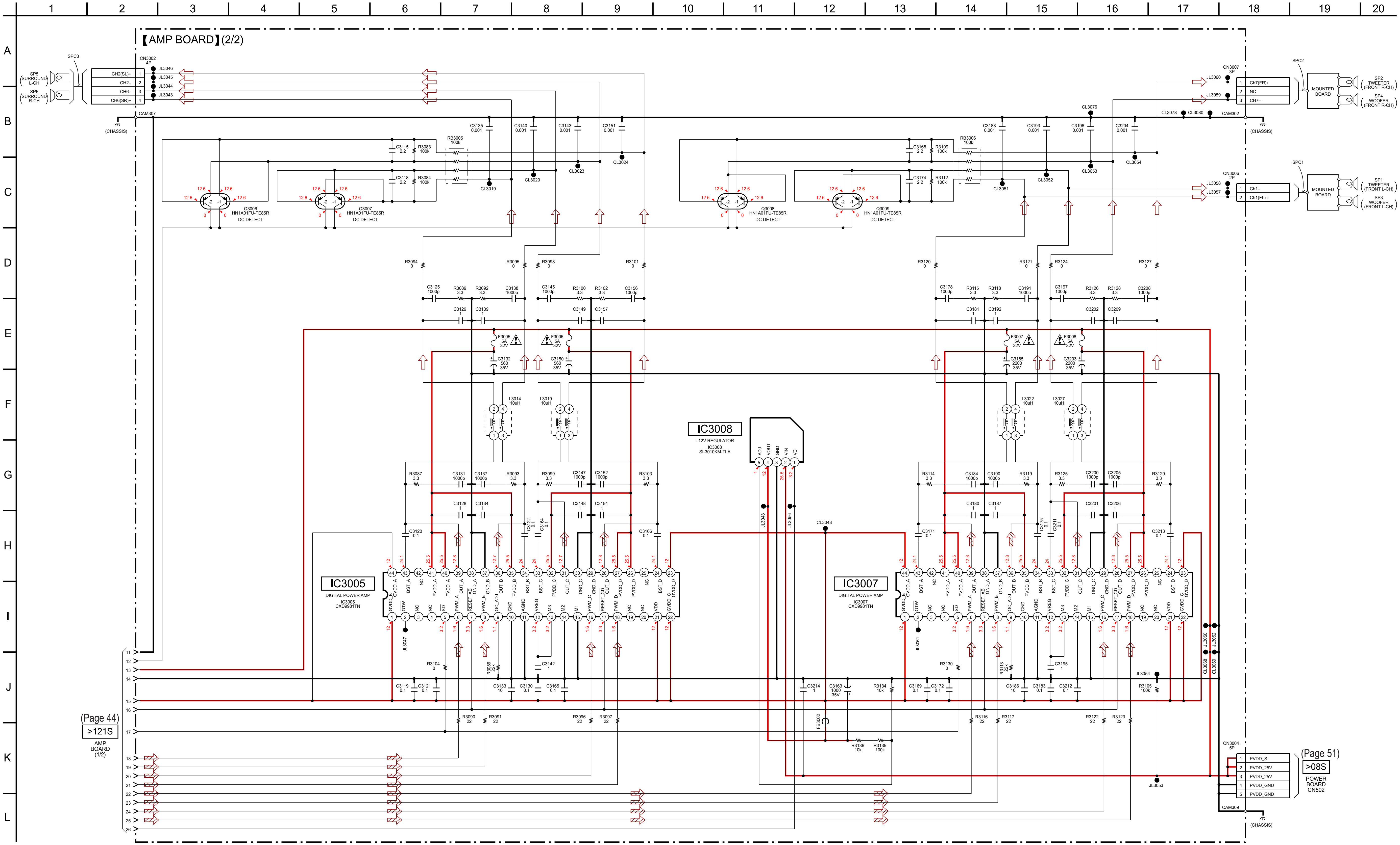
Note: When the IC3001, IC3003, IC3005 and IC3007 on the AMP board are replaced, refer to "NOTE OF REPLACING THE IC3001, IC3003, IC3005 AND IC3007 ON THE AMP BOARD AND THE COMPLETE AMP BOARD" on page 4.

4-14. SCHEMATIC DIAGRAM - AMP Board (1/2) - • See page 52 for IC Block Diagrams.



Note: When the IC3001 and IC3003 on the AMP board are replaced, refer to "NOTE OF REPLACING THE IC3001, IC3003, IC3005 AND IC3007 ON THE AMP BOARD AND THE COMPLETE AMP BOARD" on page 4.

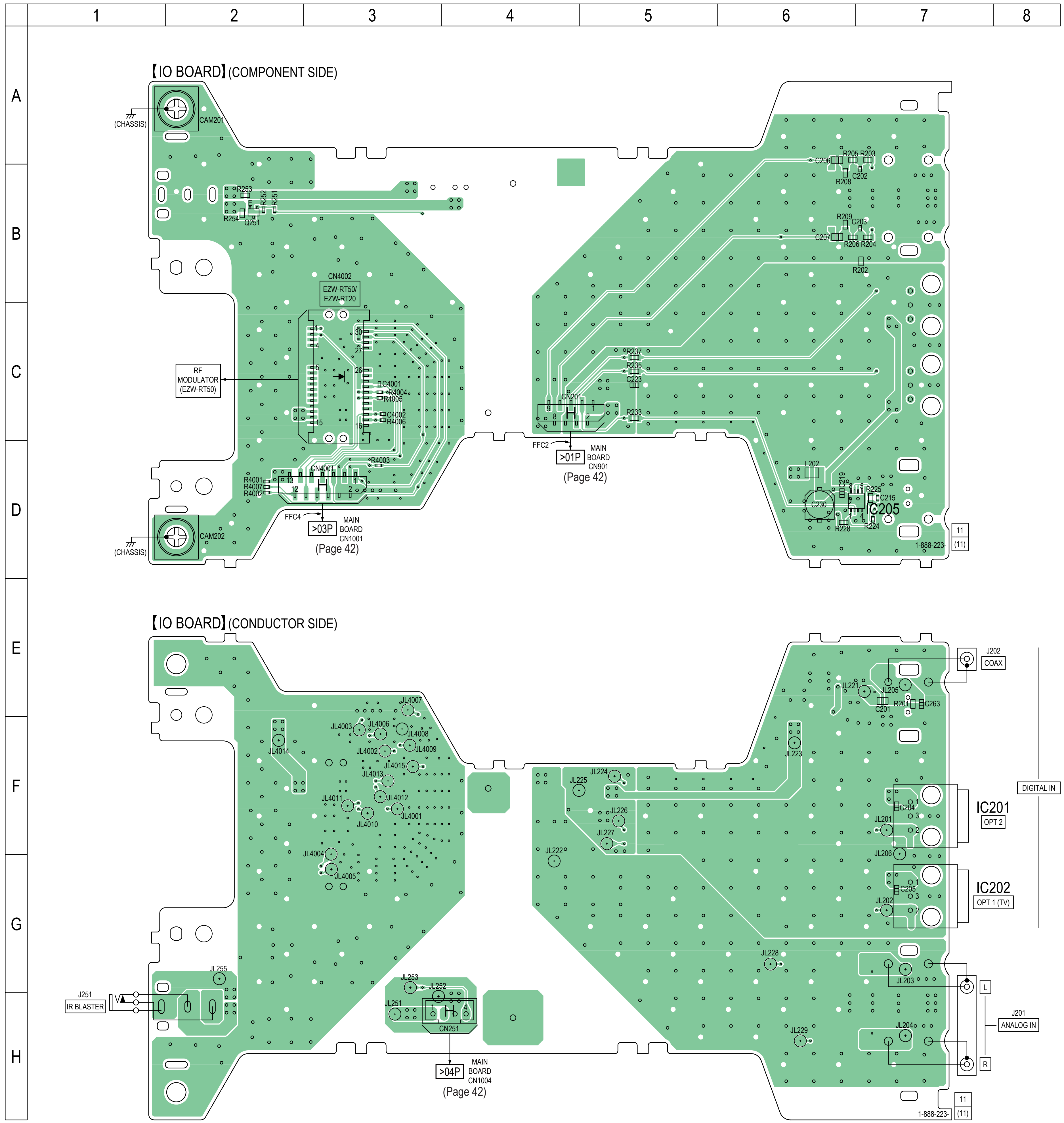
4-15. SCHEMATIC DIAGRAM - AMP Board (2/2) - • See page 52 for IC Block Diagrams.



Note: When the IC3005 and IC3007 on the AMP board are replaced, refer to "NOTE OF REPLACING THE IC3001, IC3003, IC3005 AND IC3007 ON THE AMP BOARD AND THE COMPLETE AMP BOARD" on page 4.

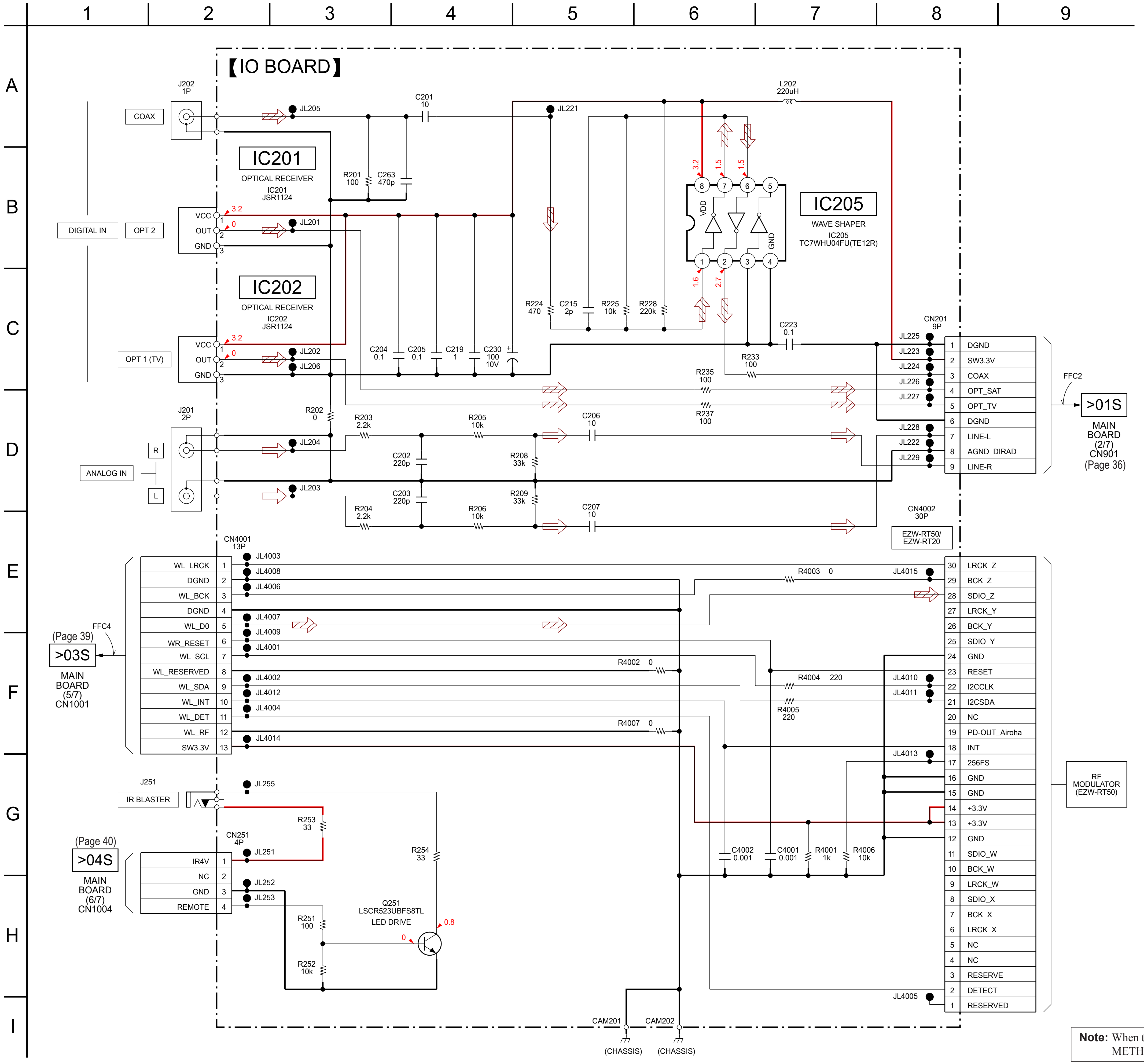
4-16. PRINTED WIRING BOARD - IO Board -

• See page 34 for Circuit Boards Location. • : Uses unleaded solder.



Note: When the RF modulator (EZW-RT50) is exchanged, refer to “SETTING METHOD OF THR WIRELESS CONNECTION on page 4.

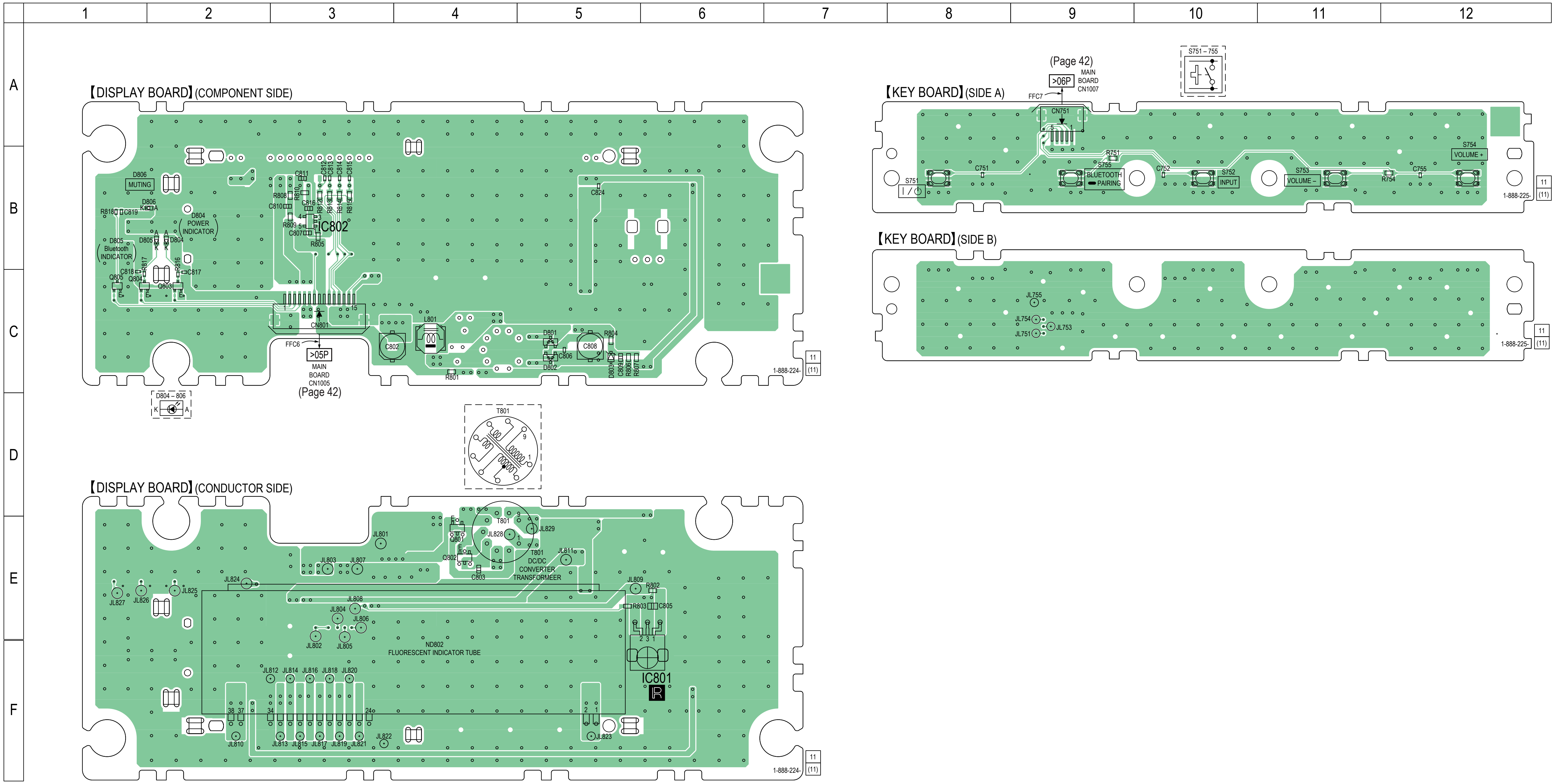
4-17. SCHEMATIC DIAGRAM - IO Board -



Note: When the RF modulator (EZW-RT50) is exchanged, refer to “SETTING METHOD OF THR WIRELESS CONNECTION on page 4.

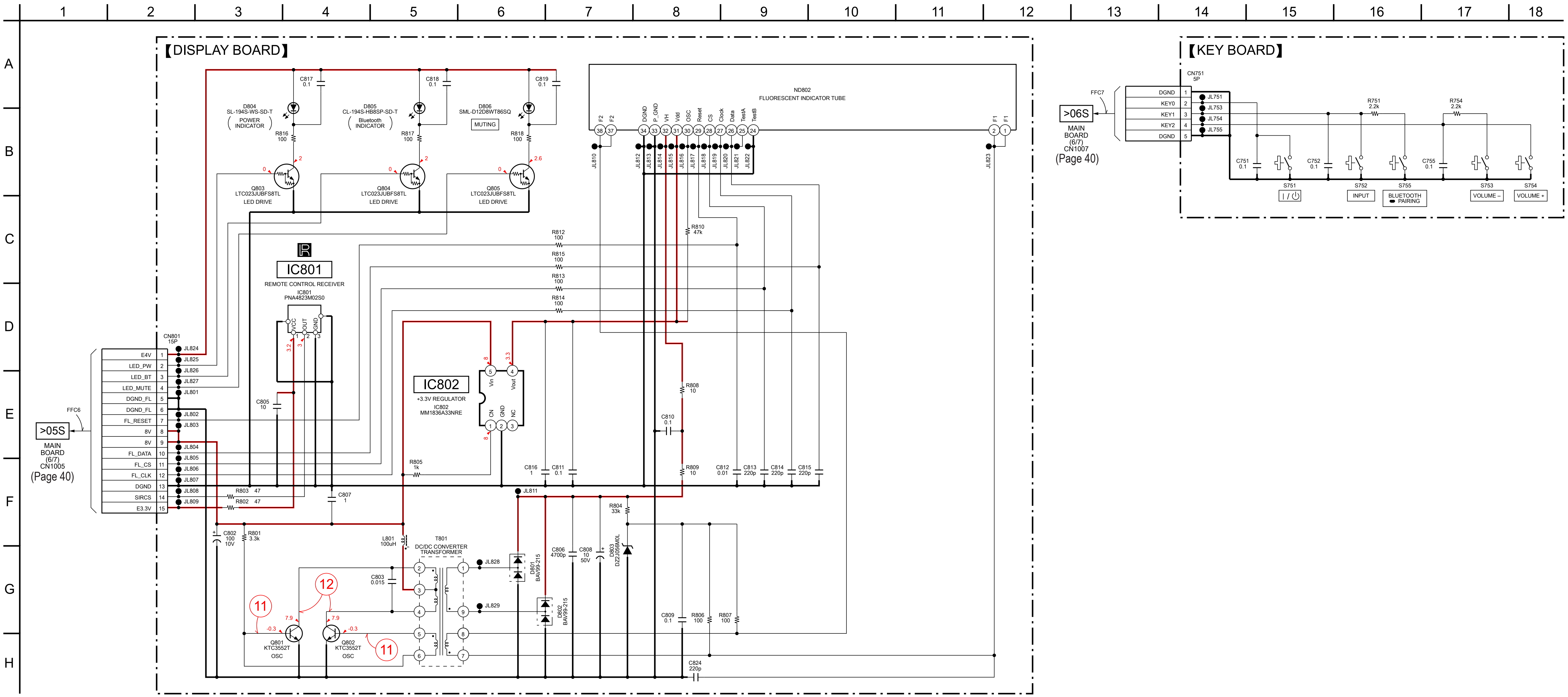
4-18. PRINTED WIRING BOARDS - PANEL Section -

• See page 34 for Circuit Boards Location. • : Uses unleaded solder.

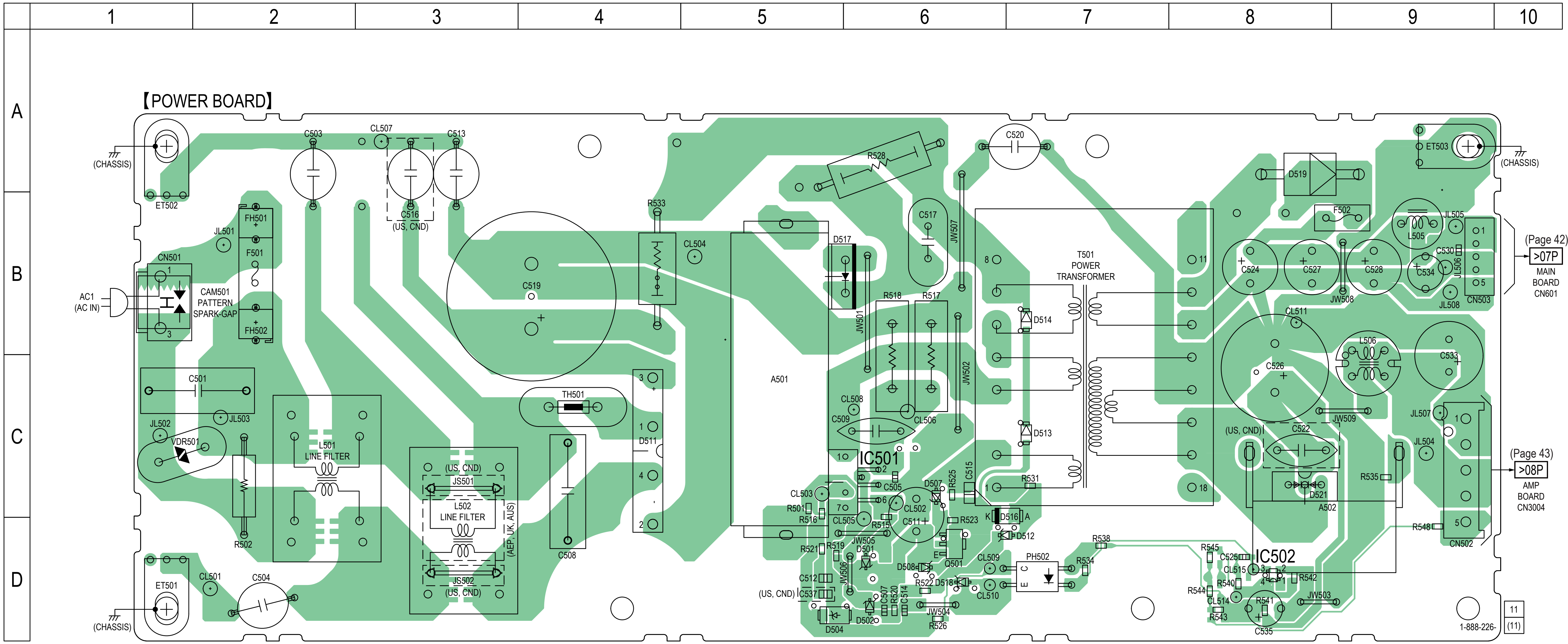


4-19. SCHEMATIC DIAGRAM - PANEL Section -

• See page 52 for Waveforms. • See page 52 for IC Block Diagrams.

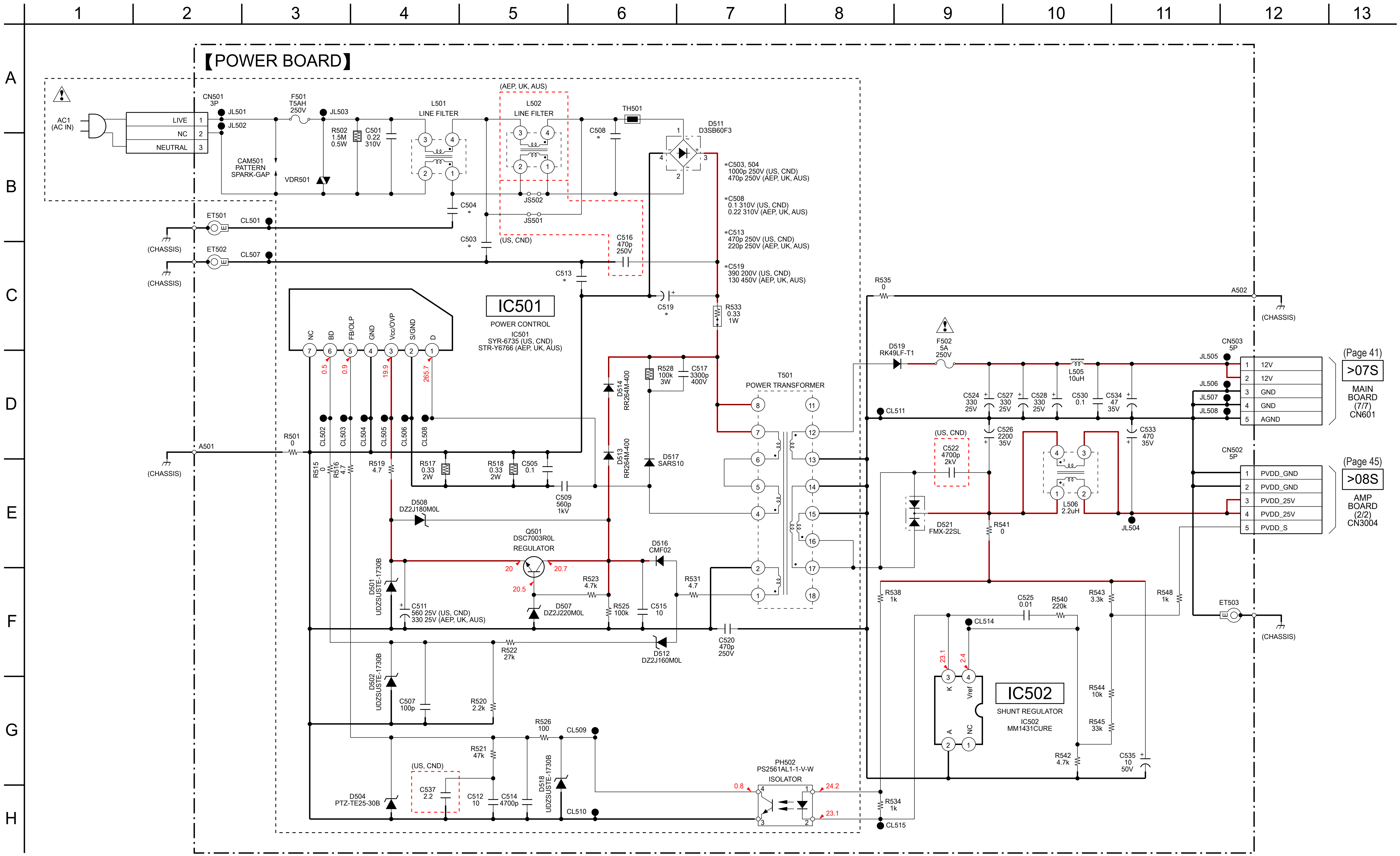


4-20. PRINTED WIRING BOARD - POWER Board - • See page 34 for Circuit Boards Location. • : Uses unleaded solder.



4-21. SCHEMATIC DIAGRAM - POWER Board -

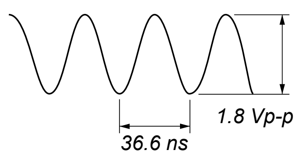
• See page 52 for IC Block Diagrams.



• **Waveforms**

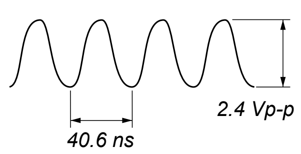
– MAIN Board –

① IC3506 ⑪③ (XTALOUT)



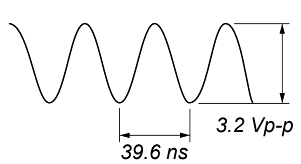
1 V/DIV, 20 ns/DIV

② IC904 ㊵ (XTO)



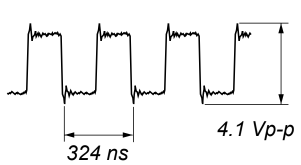
2 V/DIV, 20 ns/DIV

③ IC5001 ㉕ (XTAL2)



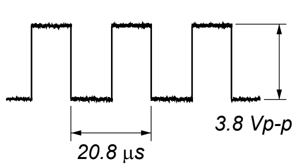
2 V/DIV, 20 ns/DIV

④ IC5001 ⑨⑧ (BCLK_OUT)



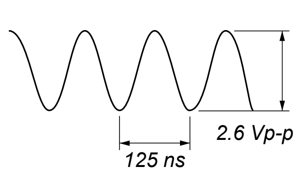
2 V/DIV, 200 ns/DIV

⑤ IC5001 ⑨⑨ (LRCLK_OUT)



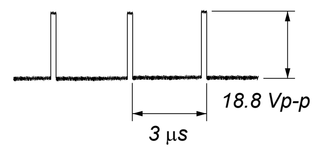
2 V/DIV, 10 μs/DIV

⑥ IC1002 ⑪ (Xout)



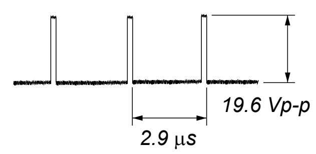
2 V/DIV, 50 ns/DIV

⑦ IC601 ① (BOOT)



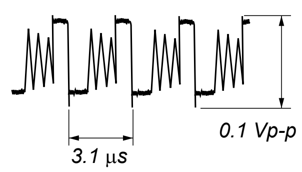
10 V/DIV, 2 μs/DIV

⑧ IC602 ① (BOOT)



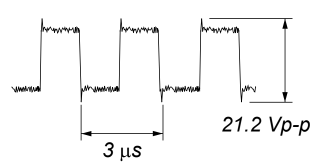
10 V/DIV, 2 μs/DIV

⑨ IC603 ① (BOOT)



100 mV/DIV, 2 μs/DIV

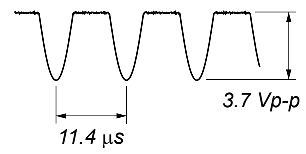
⑩ IC605 ① (BOOT)



10 V/DIV, 2 μs/DIV

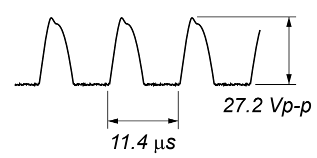
– DISPLAY Board –

⑪ Q801, 802 (Base)



2 V/DIV, 5 μs/DIV

⑫ Q801, 802 (Collector)

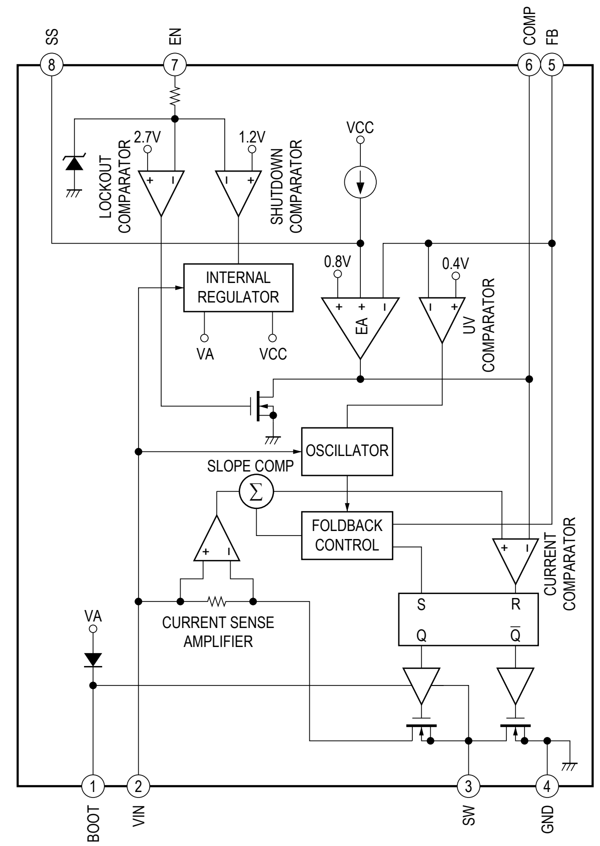


20 V/DIV, 5 μs/DIV

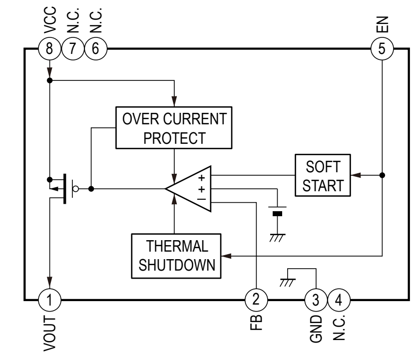
• **IC Block Diagrams**

– MAIN Board –

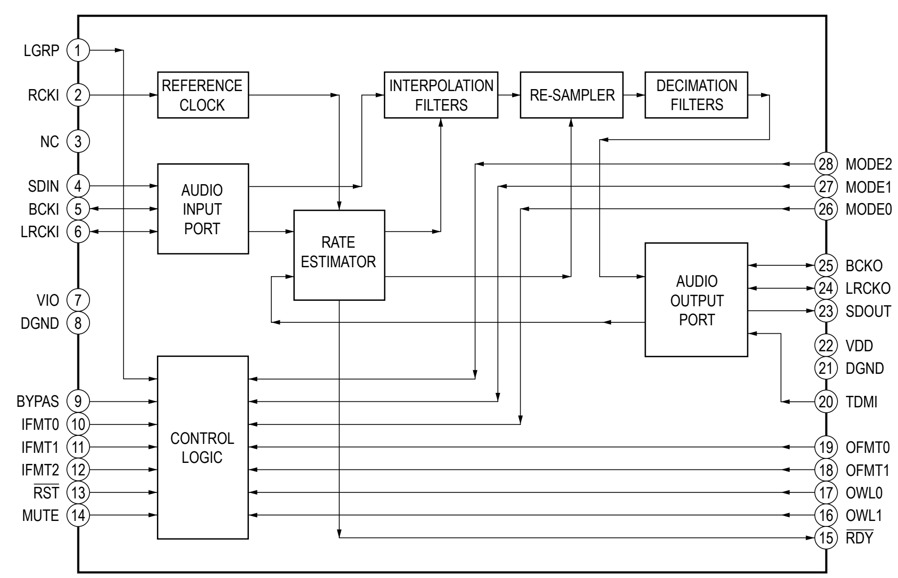
IC601, 602, 605 RT8293ALZSP
IC603 RT8252ALGSP



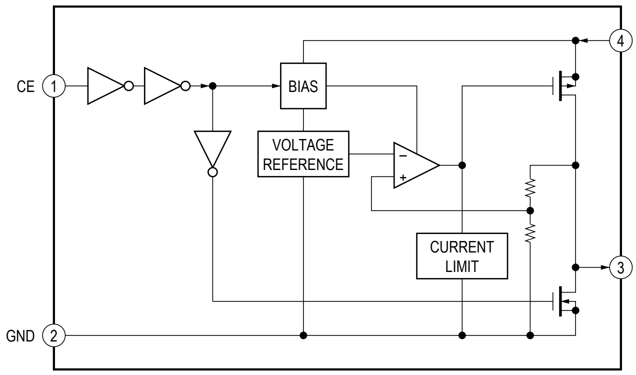
IC604, 3704 BD00IC0WEFJ-E2



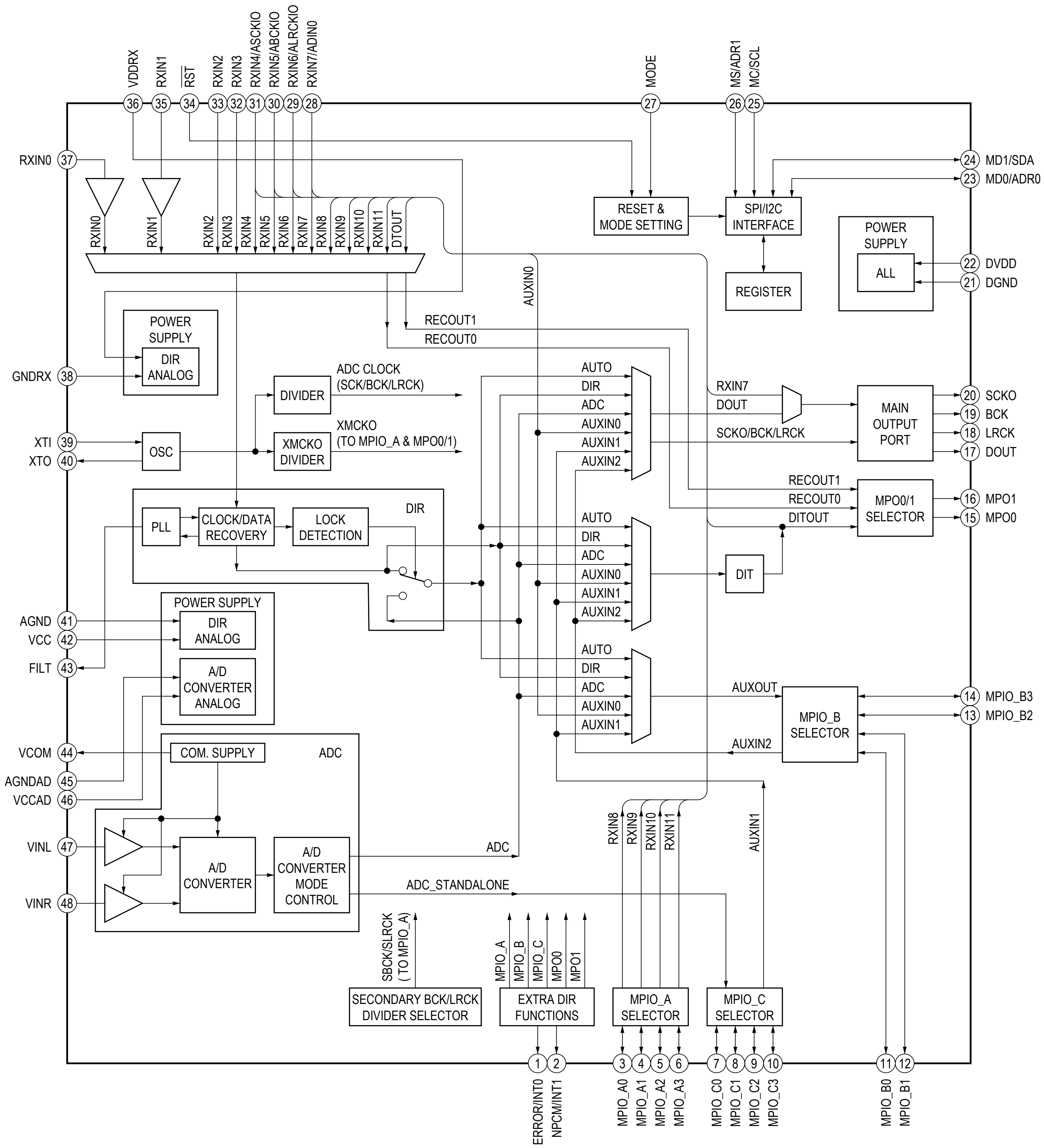
IC901 SRC4182



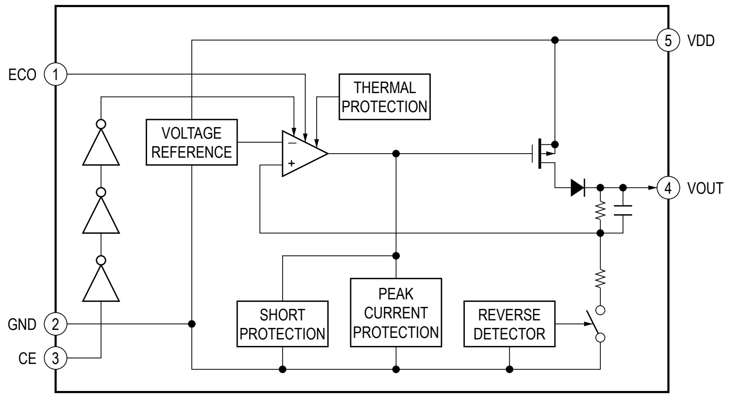
IC902, 906, 1005 MM3411A33URE



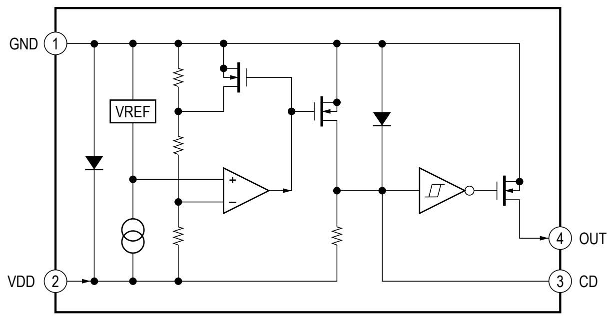
IC904 PCM9211PTR



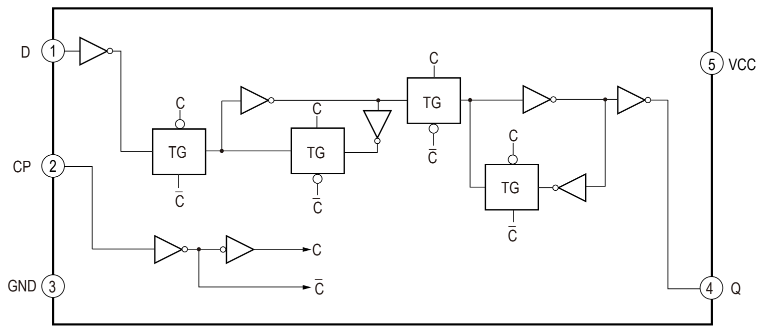
IC908, 6005 R1191N050B-TR-FE



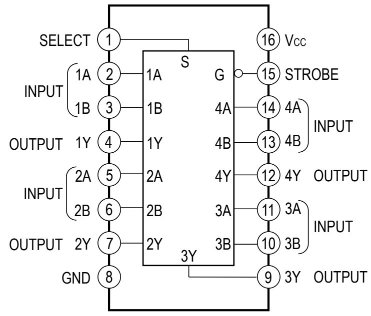
IC1004 PST8429UL



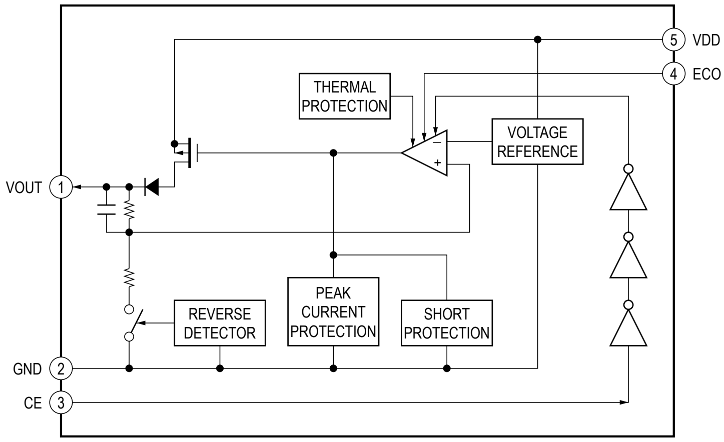
IC5101 74LVC1G79GW-125



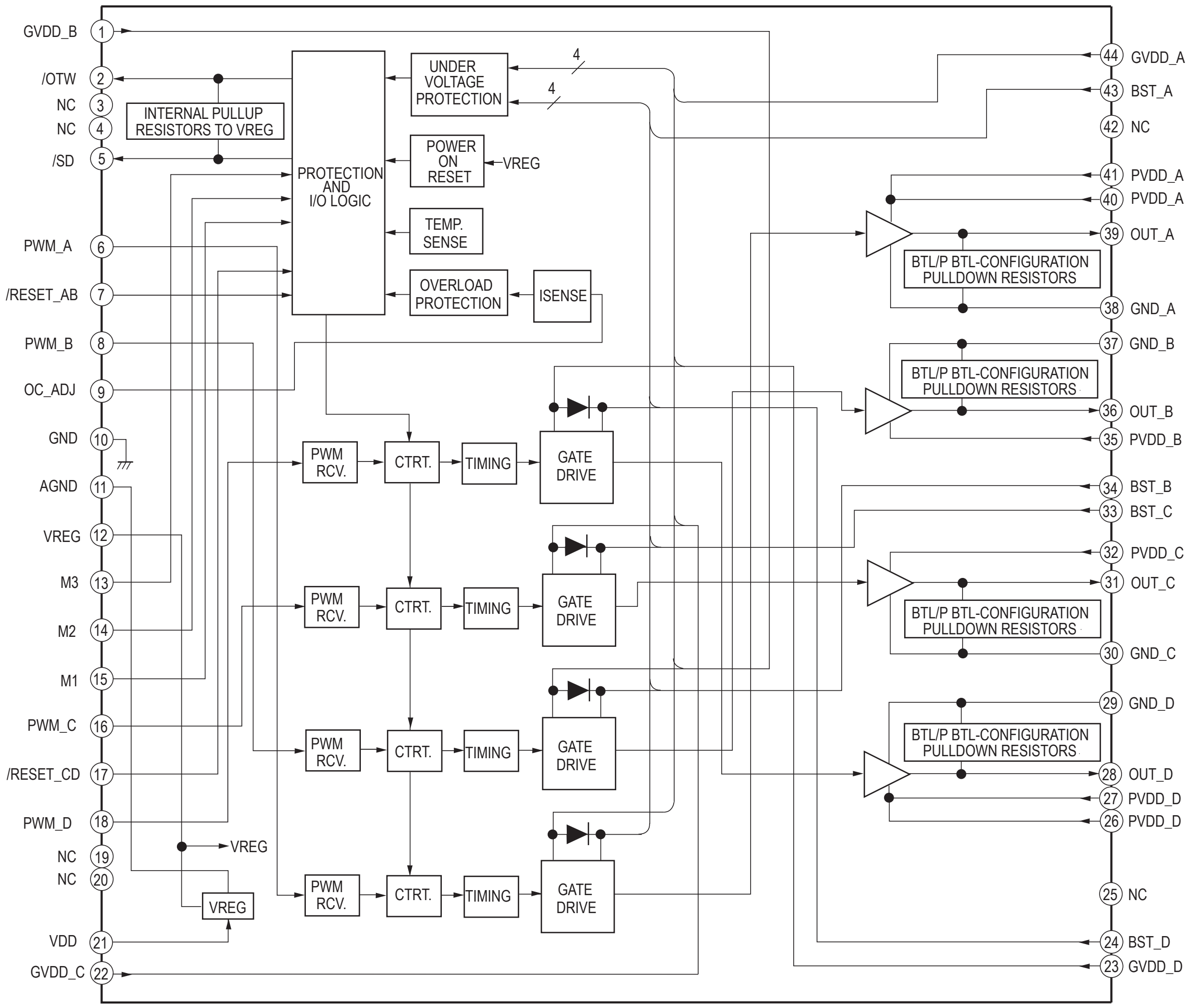
IC5105 TC74VHC157FT (EKJ)



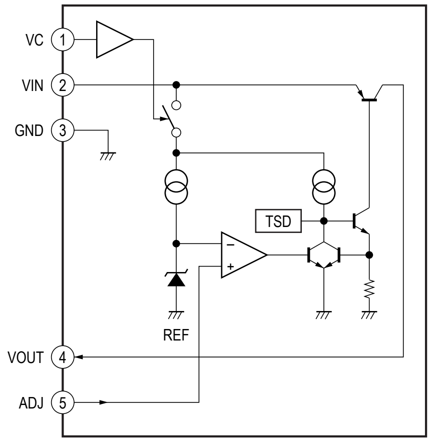
IC6004 R1191H050B-T1-FE



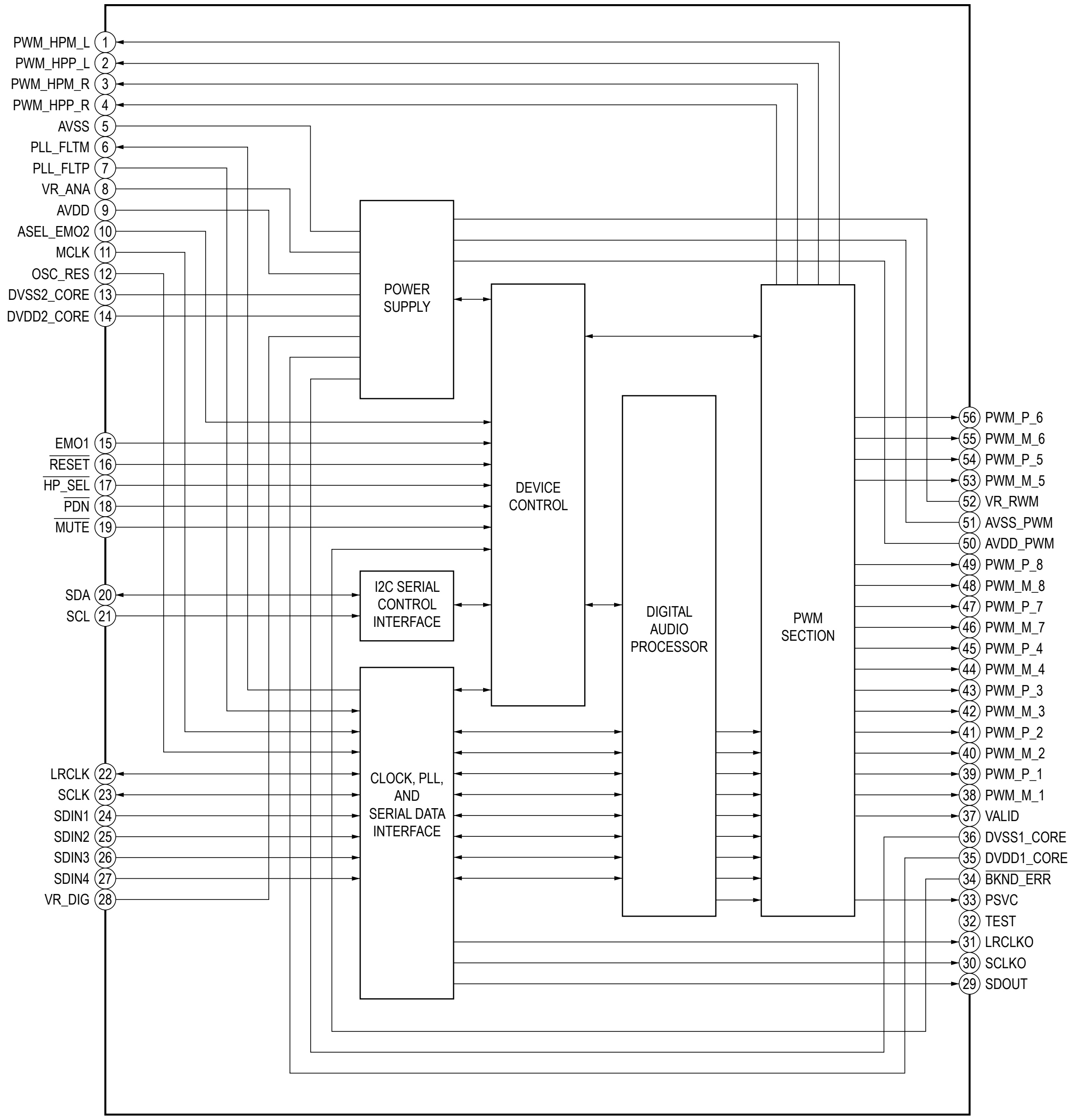
– AMP Board –
IC3001, 3003, 3005, 3007 CXD9981TN



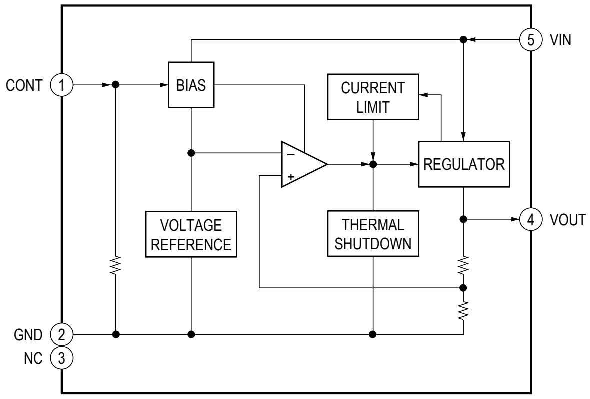
IC3008 SI-3010KM-TLA



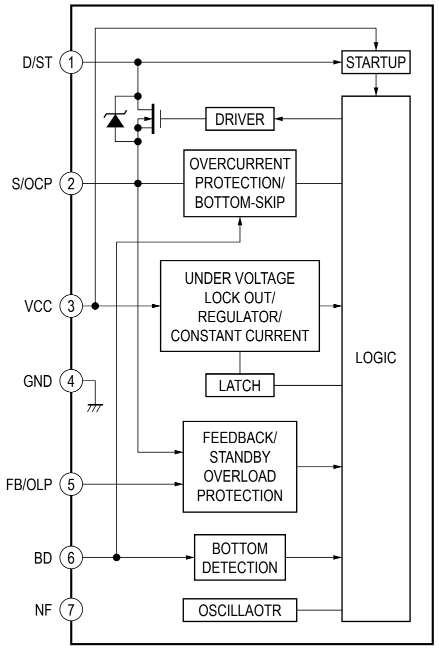
IC3004 TAS5538DGGR



– DISPLAY Board –
IC802 MM1836A33NRE



– POWER Board –
IC501 STR-Y6735 (US and Canadian models)
IC501 STR-Y6766 (AEP, UK and Australian models)



- **IC Pin Function Description**

MAIN BOARD IC1002 R5F3650NCDFB (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	SIRCS_IN	I	SIRCS signal input from the remote control receiver
2	TP_LED	O	LED drive signal output terminal for the Bluetooth indicator "H": LED on
3	DSP MOSI	O	Serial data output to the DSP and serial flash
4	DSP MISO	I	Serial data input from the DSP and serial flash
5	DSP_SPICLK	O	Serial data transfer clock signal output to the DSP and serial flash
6	BYTE	I	External data bus width selection signal input terminal Fixed at "L" in this unit
7	CNVss	I	Processor mode selection signal input terminal
8	ROM_SDA	I/O	Two-way data bus with the EEPROM
9	ROM_SCLK	O	Serial data transfer clock signal output to the EEPROM
10	RESET	I	System reset signal input terminal "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it change to "H"
11	Xout	O	System clock output terminal (8 MHz)
12	Vss	-	Ground terminal
13	Xin	I	System clock input terminal (8 MHz)
14	Vcc1	-	Power supply terminal (+3.3V)
15	CEC (I/O)	I/O	Two-way CEC serial data with the HDMI connector
16	DIR_ZERO	I	Zero data detection signal input from the digital audio interface receiver
17	RFDET_NFC	I	Magnetic field detection signal input from the NFC
18	DRIVE_SD (DIAG)	I	Shut down signal input from the digital power amplifier "L": shut down
19	WL_DET	I	RF modulator connection detection signal input terminal "L": RF modulator is connected
20	N.A.	O	Not used
21	WL_RST	O	Reset signal output to the RF modulator "L": reset
22	N.A.	O	Not used
23	HDMI_TX_5VPWR	O	+5V power on/off control signal output terminal for the HDMI TV OUT (ARC) connector "H": power on
24	HDMI_NON_LPCM	O	Audio setting signal output terminal "L": LPCM audio, "H": HBR audio
25	DIR ERROR	I	Error detection signal input from the digital audio interface receiver "L": error
26	DRIVE_RST	O	Reset signal output to the digital power amplifier "L": reset
27	DAMP_SCL0	O	Serial data transfer clock signal output to the stream processor
28	DAMP_SDA0	I/O	Two-way data bus with the stream processor
29	M_TX_OUT_DSP	O	Serial data output to the DSP
30	M_RX_IN_DSP	I	Serial data input from the DSP
31	SCD/CLK1	I	Serial data transfer clock signal input terminal for flash writing
32	BUSY/RTS1	I	Clear to send signal input from the Bluetooth module
33	MC_BT-TXD0	O	Serial data output to the Bluetooth module
34	MC_BT-RXD0	I	Serial data input from the Bluetooth module
35	N.A.	O	Not used
36	MC_BT_RTS	O	Return to send signal output to the Bluetooth module
37	N.A.	O	Not used
38	A_SEL0	O	Reset signal output to the sample rate converter "L": reset
39	HOLD	I	Fixed at "L" in this unit
40	WL_SCL	O	I2C clock signal output to the RF modulator
41	WL_SDA	I/O	Two-way I2C data bus with the RF modulator
42	$\overline{BT_RST}$	O	Reset signal output to the Bluetooth module "L": reset
43	PCONT_BT	O	+3.3V power supply on/off control signal output terminal for the Bluetooth module "H": power on
44	WR_Flash	I	Fixed at "H" in this unit
45	HDMI_SDA	I/O	Two-way I2C data bus with the HDMI transceiver
46	HDMI_SCL	O	I2C clock signal output to the HDMI transceiver
47	HDMI_MUTE_DET	O	HDMI muting on/off control signal input from the HDMI transceiver "H": muting on
48	DSP_SPIDS	O	Chip select signal output to the DSP and serial flash
49	DSP_RESET	O	Reset signal output to the DSP "L": reset
50	SF_HOLD_DSP	O	Hold signal output to the serial flash
51	DIR_HCE	O	Chip enable signal output to the digital audio interface receiver
52	DIR_XSTATE	I	Source clock selection monitor input from the digital audio interface receiver
53	DIR_RST	O	Reset signal output to the digital audio interface receiver "L": reset

Pin No.	Pin Name	I/O	Description
54	HDMI_RST	O	Reset signal output to the HDMI transceiver "L": reset
55	HDMI_MUTE_ON	O	HDMI muting on/off control signal output terminal "H": muting on
56	HDMI_INT	I	Interrupt signal input from the HDMI transceiver
57	SEL_HDMI	I	HDMI selection signal output terminal "H": HDMI
58	FL_RESET	O	Reset signal output to the fluorescent indicator tube "L": reset
59	P_CONT3	O	Power on/off control signal output terminal for the fluorescent indicator tube "H": power on
60	Vcc2	-	Power supply terminal (+3.3V)
61	PCON_IR	O	+3.3V power on/off control signal output terminal for the IR section "H": power on
62	Vss	-	Ground terminal
63	P_CONT2	O	Power on/off control signal output terminal for the digital power amplifier "H": power on
64	P_CONT1	O	Power on/off control signal output terminal "H": power on
65	WS_INT	I	Interrupt signal input from the RF modulator
66	DSP_INTR	I	Interrupt request signal input from the DSP
67	DAMP_SOFT_MUTE	O	Soft muting on/off control signal output to stream processor "L": muting on
68	DAMP_INIT	O	Reset signal output to the stream processor "L": reset
69	DAMP_PDN	O	Power down signal output to the stream processor "L": power down
70	N.A.	O	Not used
71	AC_CUT	I	AC cut detection signal input terminal "L": AC cut is detected
72	KEY_INT	I	Key wake-up signal input terminal
73	BT_MUTE	I	Muting on/off control signal input from the Bluetooth module "L": muting on
74	DC_DET	I	Speaker DC detection signal input terminal "L": speaker DC is detected
75	FL_DATA	O	Serial data output to the fluorescent indicator tube
76	FL_CS	O	Chip select signal output to the fluorescent indicator tube
77	FL_CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
78	PCONT_HDMI	O	Power on/off control signal output terminal for the HDMI section "H": power on
79	N.A.	O	Not used
80	PCONT_DSP	O	Power on/off control signal output terminal for the DSP "H": power on
81	SW_NFC	O	Standby control signal output to the NFC "L": standby
82	LED_PW	O	LED drive signal output terminal for the power indicator "H": LED on
83	IRQ_NFC	I	Radio data reception signal input from the NFC
84	SEL_NFC	O	Data transmission direction and completion notice signal output to the NFC
85	DATA_NFC	O	Serial data output to the NFC
86	SPICLK_NFC	O	Serial data transfer clock signal output to the NFC
87, 88	N.A.	O	Not used
89	LED_MUTE	O	LED drive signal output terminal for the MUTING indicator "H": LED on
90	DESTINATION	I	Destination setting terminal
91	MODEL	I	Model setting terminal Fixed at "L" in this unit
92, 93	KEY2, KEY1	I	Top panel key input terminal (A/D input)
94	AVss	-	Ground terminal
95	KEY0	I	Power key input terminal (A/D input)
96	Vref	I	Reference voltage (+3.3V) input terminal
97	AVcc	-	Power supply terminal (+3.3V)
98	DIR_DO (MC_DIR_DI)	I	Serial data input from the digital audio interface receiver
99	DIR_DI (MC_DIR_DO)	O	Serial data output to the digital audio interface receiver
100	DIR_CLK	O	Serial data transfer clock signal output to the digital audio interface receiver

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Pin No.	Pin Name	I/O	Description
1 to 6	D14 to D19	I	Digital video signal input terminal Not used
7	DE	I	Data enable signal input terminal Not used
8	VSYNC	I	Vertical sync signal input terminal Not used
9	HSYNC	I	Horizontal sync signal input terminal Not used
10	R0XC–	I	TMDS clock (negative) signal input terminal Not used
11	R0XC+	I	TMDS clock (positive) signal input terminal Not used
12	R0X0–	I	TMDS data (negative) input terminal Not used
13	R0X0+	I	TMDS data (positive) input terminal Not used
14	R0X1–	I	TMDS data (negative) input terminal Not used
15	R0X1+	I	TMDS data (positive) input terminal Not used
16	R0X2–	I	TMDS data (negative) input terminal Not used
17	R0X2+	I	TMDS data (positive) input terminal Not used
18	AVDD12	-	Power supply terminal (+1.3V)
19	AVDD33	-	Power supply terminal (+3.3V)
20	R1XC–	I	TMDS clock (negative) signal input terminal Not used
21	R1XC+	I	TMDS clock (positive) signal input terminal Not used
22	R1X0–	I	TMDS data (negative) input terminal Not used
23	R1X0+	I	TMDS data (positive) input terminal Not used
24	R1X1–	I	TMDS data (negative) input terminal Not used
25	R1X1+	I	TMDS data (positive) input terminal Not used
26	R1X2–	I	TMDS data (negative) input terminal Not used
27	R1X2+	I	TMDS data (positive) input terminal Not used
28	R2XC–	I	TMDS clock (negative) signal input terminal Not used
29	R2XC+	I	TMDS clock (positive) signal input terminal Not used
30	R2X0–	I	TMDS data (negative) input terminal Not used
31	R2X0+	I	TMDS data (positive) input terminal Not used
32	R2X1–	I	TMDS data (negative) input terminal Not used
33	R2X1+	I	TMDS data (positive) input terminal Not used
34	R2X2–	I	TMDS data (negative) input terminal Not used
35	R2X2+	I	TMDS data (positive) input terminal Not used
36	AVDD12	-	Power supply terminal (+1.3V)
37	CVCC12	-	Power supply terminal (+1.3V)
38	AVDD33	-	Power supply terminal (+3.3V)
39	R3XC–	I	TMDS clock (negative) signal input from the HDMI IN 1 connector
40	R3XC+	I	TMDS clock (positive) signal input from the HDMI IN 1 connector
41	R3X0–	I	TMDS data (negative) input from the HDMI IN 1 connector
42	R3X0+	I	TMDS data (positive) input from the HDMI IN 1 connector
43	R3X1–	I	TMDS data (negative) input from the HDMI IN 1 connector
44	R3X1+	I	TMDS data (positive) input from the HDMI IN 1 connector
45	R3X2–	I	TMDS data (negative) input from the HDMI IN 1 connector
46	R3X2+	I	TMDS data (positive) input from the HDMI IN 1 connector
47	R4XC–	I	TMDS clock (negative) signal input from the HDMI IN 2 connector
48	R4XC+	I	TMDS clock (positive) signal input from the HDMI IN 2 connector
49	R4X0–	I	TMDS data (negative) input from the HDMI IN 2 connector
50	R4X0+	I	TMDS data (positive) input from the HDMI IN 2 connector
51	R4X1–	I	TMDS data (negative) input from the HDMI IN 2 connector
52	R4X1+	I	TMDS data (positive) input from the HDMI IN 2 connector
53	R4X2–	I	TMDS data (negative) input from the HDMI IN 2 connector
54	R4X2+	I	TMDS data (positive) input from the HDMI IN 2 connector
55	AVDD12	-	Power supply terminal (+1.3V)
56	AVDD33	-	Power supply terminal (+3.3V)
57	R5XC–	I	TMDS clock (negative) signal input from the HDMI IN 3 connector
58	R5XC+	I	TMDS clock (positive) signal input from the HDMI IN 3 connector
59	R5X0–	I	TMDS data (negative) input from the HDMI IN 3 connector
60	R5X0+	I	TMDS data (positive) input from the HDMI IN 3 connector
61	R5X1–	I	TMDS data (negative) input from the HDMI IN 3 connector
62	R5X1+	I	TMDS data (positive) input from the HDMI IN 3 connector
63	R5X2–	I	TMDS data (negative) input from the HDMI IN 3 connector

Pin No.	Pin Name	I/O	Description
64	R5X2+	I	TMDS data (positive) input from the HDMI IN 3 connector
65	CVCC12	-	Power supply terminal (+1.3V)
66	CSCL	I	I2C clock signal input from the system controller
67	CSDA	I/O	Two-way I2C data bus with the system controller
68	INT	O	Interrupt signal output to the system controller
69	RESET	I	Reset signal input from the system controller "L": reset
70	TPWR_CI2CA	I	Not used
71	CEC_A1	O	Not used
72	CEC_A0WAKEUP	O	Not used
73	DSDA6	I/O	Two-way I2C serial data bus terminal Not used
74	DSCL6	I	I2C serial data transfer clock signal input terminal Not used
75	LPSVCC33	I	Not used
76	DSDA0	I/O	Two-way I2C serial data bus terminal Not used
77	DSCL0	I	I2C serial data transfer clock signal input terminal Not used
78	CBUS_HPD0	O	Hot plug detection control signal output terminal Not used
79	R0PWR5V	I	Power supply voltage (+5V) input terminal Not used
80	DSDA1	I/O	Two-way I2C serial data bus terminal Not used
81	DSCL1	I	I2C serial data transfer clock signal input terminal Not used
82	CBUS_HPD1	O	Hot plug detection control signal output terminal Not used
83	R1PWR5V	I	Power supply voltage (+5V) input terminal Not used
84	DSDA2	I/O	Two-way I2C serial data bus terminal Not used
85	DSCL2	I	I2C serial data transfer clock signal input terminal Not used
86	CBUS_HPD2	O	Hot plug detection control signal output terminal Not used
87	R2PWR5V	I	Power supply voltage (+5V) input terminal Not used
88	DSDA3	I/O	Two-way I2C serial data bus with the HDMI IN 1 connector
89	DSCL3	I	I2C serial data transfer clock signal input from the HDMI IN 1 connector
90	CBUS_HPD3	O	Hot plug detection control signal output to the HDMI IN 1 connector
91	R3PWR5V	I	Power supply voltage (+5V) input from the HDMI IN 1 connector
92	DSDA4	I/O	Two-way I2C serial data bus with the HDMI IN 2 connector
93	DSCL4	I	I2C serial data transfer clock signal input from the HDMI IN 2 connector
94	CBUS_HPD4	O	Hot plug detection control signal output to the HDMI IN 2 connector
95	R4PWR5V	I	Power supply voltage (+5V) input from the HDMI IN 2 connector
96	RSVDL	I	Not used
97	DSDA5	I/O	Two-way I2C serial data bus with the HDMI IN 3 connector
98	DSCL5	I	I2C serial data transfer clock signal input from the HDMI IN 3 connector
99	CBUS_HPD5	O	Hot plug detection control signal output to the HDMI IN 3 connector
100	R5PWR5V	I	Power supply voltage (+5V) input from the HDMI IN 3 connector
101	SBVCC5V	-	Power supply terminal (+5V)
102	VCC33OUT	O	Power supply (+3.3V) output terminal
103, 104	GPIO0, GPIO1	I/O	Not used
105	TX_HPD0	I	Hot plug detection signal input terminal Not used
106	TXDSDA0	I/O	Two-way I2C serial data bus terminal Not used
107	TXDSCL0	O	I2C serial data transfer clock signal output terminal Not used
108	TX_HPD1	I	Hot plug detection signal input from the HDMI OUT TV ARC connector
109	TXDSDA1	I/O	Two-way I2C serial data bus with the HDMI OUT TV ARC connector
110	TXDSCL1	O	I2C serial data transfer clock signal output to the HDMI OUT TV ARC connector
111	APLL12	-	Power supply terminal (+1.3V)
112	XTALVCC33	-	Power supply terminal (+3.3V)
113	XTALOUT	O	System clock signal output terminal (27 MHz)
114	XTALIN	I	System clock signal input terminal (27 MHz)
115	XTALGND	-	Ground terminal
116	CVCC12	-	Power supply terminal (+1.3V)
117 to 120	GPIO2 to GPIO5	I/O	Not used
121	WS0_OUT	O	L/R sampling clock signal output to the digital audio interface receiver
122	SCK0	O	Bit clock signal output to the digital audio interface receiver
123	IOVCC33	-	Power supply terminal (+3.3V)
124	SD0_0	O	Digital audio signal output to the digital audio interface receiver
125	MCLK	O	Master clock signal output to the digital audio interface receiver
126 to 128	SD0_1 to SD0_3	O	Digital audio signal output to the digital audio interface receiver

Pin No.	Pin Name	I/O	Description
129	MUTEOUT	O	HDMI muting on/off control signal output terminal "H": muting on
130	SPDIF0_OUT	O	S/PDIF audio signal output to the digital audio interface receiver
131, 132	GPIO11, GPIO10	I/O	Not used
133	SPDIFO_IN	I	S/PDIF audio signal input terminal Not used
134	SCK1_OUT	O	Serial data transfer clock signal output terminal Not used
135	WS1_OUT	O	Word select signal output terminal Not used
136	SPDIF1_OUT	O	S/PDIF audio signal output to the digital audio interface receiver
137	ARC0	I	Digital audio signal input from the HDMI OUT TV ARC connector
138	ARC1	I	Digital audio signal input terminal Not used
139	CVCC12	-	Power supply terminal (+1.3V)
140, 141	TPVDD12	-	Power supply terminal (+1.3V)
142	T1XC–	O	TMDS clock (negative) output to the HDMI OUT TV ARC connector
143	T1XC+	O	TMDS clock (positive) output to the HDMI OUT TV ARC connector
144	T1X0–	O	TMDS data (negative) output to the HDMI OUT TV ARC connector
145	T1X0+	O	TMDS data (positive) output to the HDMI OUT TV ARC connector
146	T1X1–	O	TMDS data (negative) output to the HDMI OUT TV ARC connector
147	T1X1+	O	TMDS data (positive) output to the HDMI OUT TV ARC connector
148	T1X2–	O	TMDS data (negative) output to the HDMI OUT TV ARC connector
149	T1X2+	O	TMDS data (positive) output to the HDMI OUT TV ARC connector
150, 151	TPVDD12	-	Power supply terminal (+1.3V)
152	T0XC–	O	TMDS clock (negative) output terminal Not used
153	T0XC+	O	TMDS clock (positive) output terminal Not used
154	T0X0–	O	TMDS data (negative) output terminal Not used
155	T0X0+	O	TMDS data (positive) output terminal Not used
156	T0X1–	O	TMDS data (negative) output terminal Not used
157	T0X1+	O	TMDS data (positive) output terminal Not used
158	T0X2–	O	TMDS data (negative) output terminal Not used
159	T0X2+	O	TMDS data (positive) output terminal Not used
160	CVCC12	-	Power supply terminal (+1.2V)
161 to 171	D0 to D10	I	Digital video signal input terminal Not used
172	IDCK	I	Output data clock signal input terminal Not used
173	IOVCC33	-	Power supply terminal (+3.3V)
174 to 176	D11 to D13	I	Digital video signal input terminal Not used

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Pin No.	Pin Name	I/O	Description
1	SDDQM	O	Data mask signal output to the SD-RAM
2	$\overline{\text{MS0}}$	O	Memory selection signal output to the SD-RAM
3	SDCKE	O	Clock enable signal output to the SD-RAM
4	VDDINT	-	Power supply terminal (+1.1V) (for core)
5	CLK_CFG1	I	Core instruction rate to CLKIN (pin 24) ratio selection signal input terminal Fixed at “L” in this unit
6	ADDR0	O	Address signal output to the SD-RAM
7	BOOT_CFG0	I	Boot mode selection signal input terminal Fixed at “H” in this unit
8	VDDEXT	-	Power supply terminal (+3.3V) (for I/O)
9 to 13	ADDR1 to ADDR5	O	Address signal output to the SD-RAM
14	BOOT_CFG1	I	Serial data input from the system controller
15	GND	-	Ground terminal
16, 17	ADDR6, ADDR7	O	Address signal output to the SD-RAM
18, 19	NC	-	Not used
20, 21	ADDR8, ADDR97	O	Address signal output to the SD-RAM
22	CLK_CFG0	I	Core instruction rate to CLKIN (pin 24) ratio selection signal input terminal Fixed at “L” in this unit
23	VDDINT	-	Power supply terminal (+1.1V) (for core)
24	CLKIN	I	System clock input terminal (25 MHz)
25	XTAL	O	System clock output terminal (25 MHz)
26	ADDR10	O	Address signal output terminal Not used
27	SDA10	O	Address signal output to the SD-RAM
28	VDDEXT	-	Power supply terminal (+3.3V) (for I/O)
29	VDDINT	-	Power supply terminal (+1.1V) (for core)
30	ADDR11	O	Address signal output to the SD-RAM
31	ADDR12	O	Address signal output terminal Not used
32	ADDR17	O	Bank address signal output to the SD-RAM
33	ADDR13	O	Address signal output terminal Not used
34	VDDINT	-	Power supply terminal (+1.1V) (for core)
35	ADDR18	O	Bank address signal output to the SD-RAM
36	$\overline{\text{RESETOUT}}$/ $\overline{\text{RUNRSTIN}}$	I/O	Reset signal output and running reset signal input terminal Not used
37	VDDINT	-	Power supply terminal (+1.1V) (for core)
38	MOSI	I	Serial data input from the system controller
39	MISO	O	Serial data output to the system controller
40	SPICLK	I	Serial data transfer clock signal input from the system controller
41	VDDINT	-	Power supply terminal (+1.1V) (for core)
42	DPI_P05	I	Chip select signal input from the system controller
43	DSP_CS	I	Chip select signal input from the system controller
44	MD	-	Not used
45	VDDEXT	-	Power supply terminal (+3.3V) (for I/O)
46	NC	-	Not used
47	RESET_MAIN	-	Not used
48	VDDINT	-	Power supply terminal (+1.1V) (for core)
49	UART_OUT	O	Serial data output to the system controller
50	UART_IN	I	Serial data input from the system controller
51	LED	-	Not used
52 to 56	NC	-	Not used
57	VDDEXT	-	Power supply terminal (+3.3V) (for I/O)
58 to 61	NC	-	Not used
62	VDDINT	-	Power supply terminal (+1.1V) (for core)
63, 64	NC	-	Not used
65	VDDINT	-	Power supply terminal (+1.1V) (for core)
66, 67	NC	-	Not used
68	VDDINT	-	Power supply terminal (+1.1V) (for core)
69	NC	-	Not used
70	$\overline{\text{WDTRSY0}}$	O	Watchdog timer reset signal output terminal Not used
71	NC	-	Not used
72	VDDEXT	-	Power supply terminal (+3.3V) (for I/O)

Pin No.	Pin Name	I/O	Description
73	SL/SR_OUT	O	Audio signal (for surround L-ch/R-ch) output to the stream processor
74	SL/SR_IN	I	Audio signal (for surround L-ch/R-ch) input from the digital audio interface receiver
75	BCLK_IN	I	Bit clock signal input from the digital audio interface receiver
76	OPTION_L/ OPTION_R_OUT	O	Audio signal output terminal Not used
77	FRONTHI_L/R_OUT	O	Audio signal output terminal Not used
78	VDDINT	-	Power supply terminal (+1.1V) (for core)
79 to 83	NC	-	Not used
84	VDDEXT	-	Power supply terminal (+3.3V) (for I/O)
85	VDDINT	-	Power supply terminal (+1.1V) (for core)
86	L/R_OUT	O	Audio signal (for front L-ch/R-ch) output to the stream processor
87	MID/SW2_OUT	O	Audio signal output terminal Not used
88	SBL/SBR_OUT	O	Audio signal (for surround back L-ch/R-ch) output to the stream processor
89	ZONE_L/R	I/O	Not used
90	VDDINT	-	Power supply terminal (+1.1V) (for core)
91	VDDEXT	-	Power supply terminal (+3.3V) (for I/O)
92	MCLK_IN	I	Master clock signal input from the digital audio interface receiver
93	VDDINT	-	Power supply terminal (+1.1V) (for core)
94	C/SW_OUT	O	Audio signal (for center) output to the stream processor and audio signal (for subwoofer output to the RF modulator
95	C/SW_IN	I	Audio signal (for center and subwoofer) input from the digital audio interface receiver
96	A/D_2CH	I	Audio signal input from the digital audio interface receiver
97	LRCLK_IN	I	L/R sampling clock signal input from the digital audio interface receiver
98	BCLK_OUT	O	Bit clock signal output to the stream processor and RF modulator
99	LRCLK_OUT	O	L/R sampling clock signal output to the stream processor and RF modulator
100	L/R_IN	I	Audio signal (for front L-ch/R-ch) input from the digital audio interface receiver
101	SBL/SBR_IN	I	Audio signal (for surround back L-ch/R-ch) input from the digital audio interface receiver
102	VDDINT	-	Power supply terminal (+1.1V) (for core)
103	DIR_IN	I	Audio signal input from the digital audio interface receiver
104	VDDEXT	-	Power supply terminal (+3.3V) (for I/O)
105	VDDINT	-	Power supply terminal (+1.1V) (for core)
106	BOOT_CFG2	I	Boot mode selection signal input terminal Fixed at “L” in this unit
107	VDDINT	-	Power supply terminal (+1.1V) (for core)
108	AMI_ACK	I	Acknowledge signal input terminal Not used
109	GND	-	Ground terminal
110	THD_M	O	Thermal detection signal output terminal Not used
111	THD_P	I	Thermal detection signal input terminal Not used
112	VDDEXT	-	Power supply terminal (+3.3V) (for I/O)
113, 114	VDDINT	-	Power supply terminal (+1.1V) (for core)
115	$\overline{\text{MS1}}$	O	Memory selection signal output terminal Not used
116	VDDINT	-	Power supply terminal (+1.1V) (for core)
117	WDT_CLKO	O	Watchdog time clock signal output terminal Not used
118	WDT_CLKIN	I	Watchdog time clock signal input terminal Not used
119	VDDEXT	-	Power supply terminal (+3.3V) (for I/O)
120 to 122	ADDR23 to ADDR21	O	Address signal output terminal Not used
123	VDDINT	-	Power supply terminal (+1.1V) (for core)
124, 125	ADDR20, ADDR19	O	Address signal output terminal Not used
126	VDDEXT	-	Power supply terminal (+3.3V) (for I/O)
127, 128	ADDR16, ADDR15	O	Address signal output terminal Not used
129	VDDINT	-	Power supply terminal (+1.1V) (for core)
130	ADDR14	O	Address signal output terminal Not used
131	$\overline{\text{AMI_WR}}$	O	Write enable signal output terminal Not used
132	$\overline{\text{AMI_RD}}$	O	Read enable signal output terminal Not used
133	VDDINT	-	Power supply terminal (+1.1V) (for core)
134	IRQ	O	Interrupt request signal output to the system controller
135	FLAG1	I	Error detection signal input terminal “L”: error
136	FLAG2	I	Audio setting signal input terminal “L”: LPCM audio, “H”: HBR audio
137	MLBCLK	I	Media local bus clock signal input terminal Not used
138	FLAG3	-	Not used

Pin No.	Pin Name	I/O	Description
139	MLBDAT	I/O	Two-way media local bus data terminal Not used
140	MLBDO	O	Media local bus data output terminal Not used
141	VDDEXT	-	Power supply terminal (+3.3V) (for I/O)
142	MLBSIG	I/O	Two-way media local bus signal terminal Not used
143	VDDINT	-	Power supply terminal (+1.1V) (for core)
144	TRST	I	Test reset signal input terminal (for JTAG) Not used
145	MLBSO	O	Media local bus signal output terminal Not used
146	$\overline{\text{EMU}}$	O	Emulation status signal output terminal Not used
147 to 150	DATA0 to DATA3	I/O	Two-way data bus with the SD-RAM
151	TDO	O	Test data output terminal (for JTAG) Not used
152	DATA4	I/O	Two-way data bus with the SD-RAM
153	VDDEXT	-	Power supply terminal (+3.3V) (for I/O)
154, 155	DATA5, DATA6	I/O	Two-way data bus with the SD-RAM
156	VDDINT	-	Power supply terminal (+1.1V) (for core)
157	DATA7	I/O	Two-way data bus with the SD-RAM
158	TDI	I	Test data input terminal (for JTAG) Not used
159	SDCLK	O	Clock signal output to the SD-RAM
160	VDDEXT	-	Power supply terminal (+3.3V) (for I/O)
161 to 163	DATA8 to DATA10	I/O	Two-way data bus with the SD-RAM
164	TCK	I	Test clock signal input terminal (for JTAG) Not used
165 to 168	DATA11, DATA12, DATA14, DATA13	I/O	Two-way data bus with the SD-RAM
169	VDDINT	-	Power supply terminal (+1.1V) (for core)
170	DATA15	I/O	Two-way data bus with the SD-RAM
171	$\overline{\text{SWE}}$	O	Write enable signal output to the SD-RAM
172	$\overline{\text{SDRAS}}$	O	Row address signal output to the SD-RAM
173	RESET	I	Reset signal input from the system controller "L": reset
174	TMS	I	Test mode selection signal input terminal (for JTAG) Not used
175	$\overline{\text{SDCAS}}$	O	Column address signal output to the SD-RAM
176	VDDINT	-	Power supply terminal (+1.1V) (for core)

SECTION 5
EXPLODED VIEWS

Note:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ Parts Color ↑ Cabinet's Color
- Abbreviation
  AUS : Australian model
  CND : Canadian model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

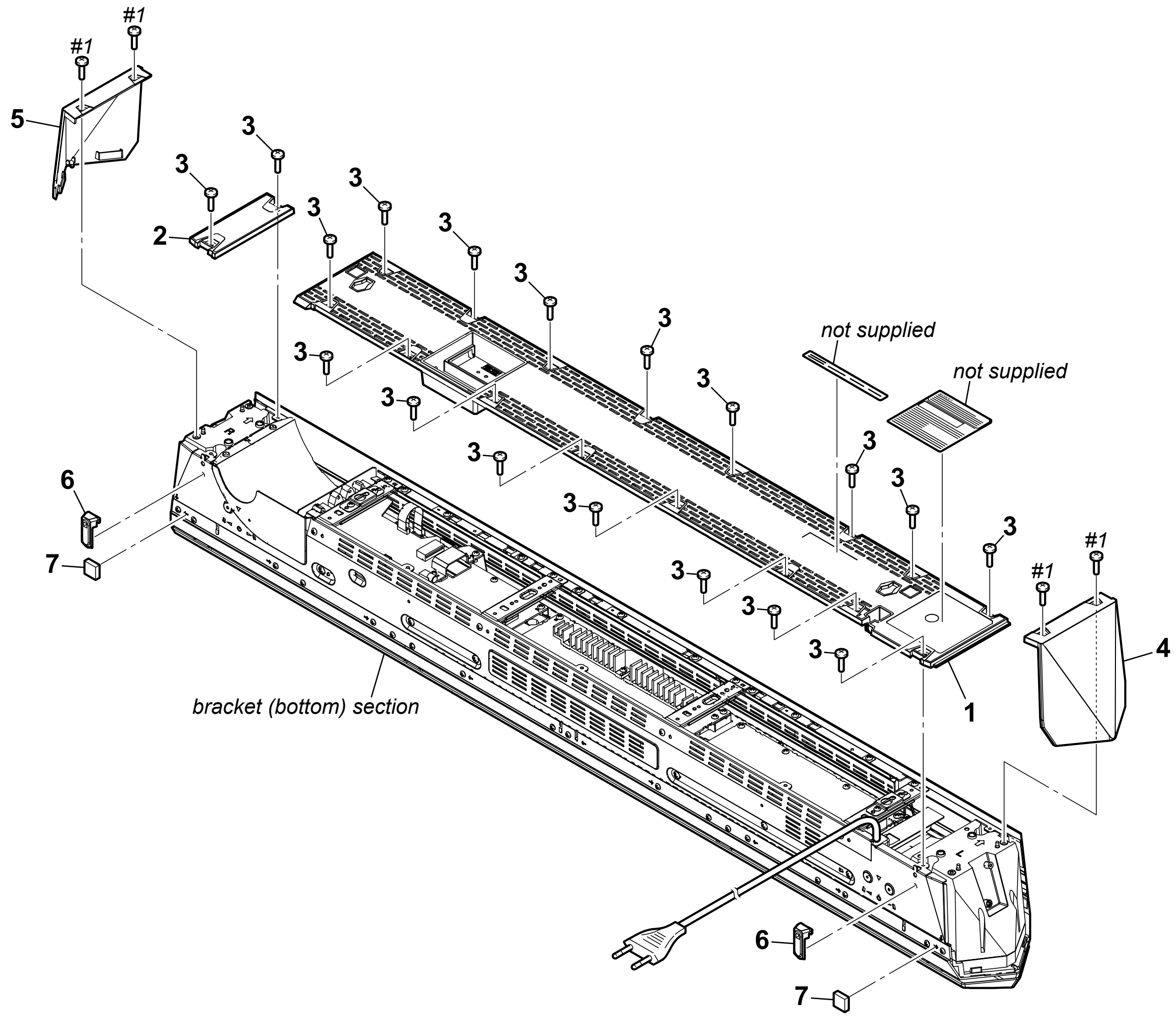
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

5-1. PANEL SECTION

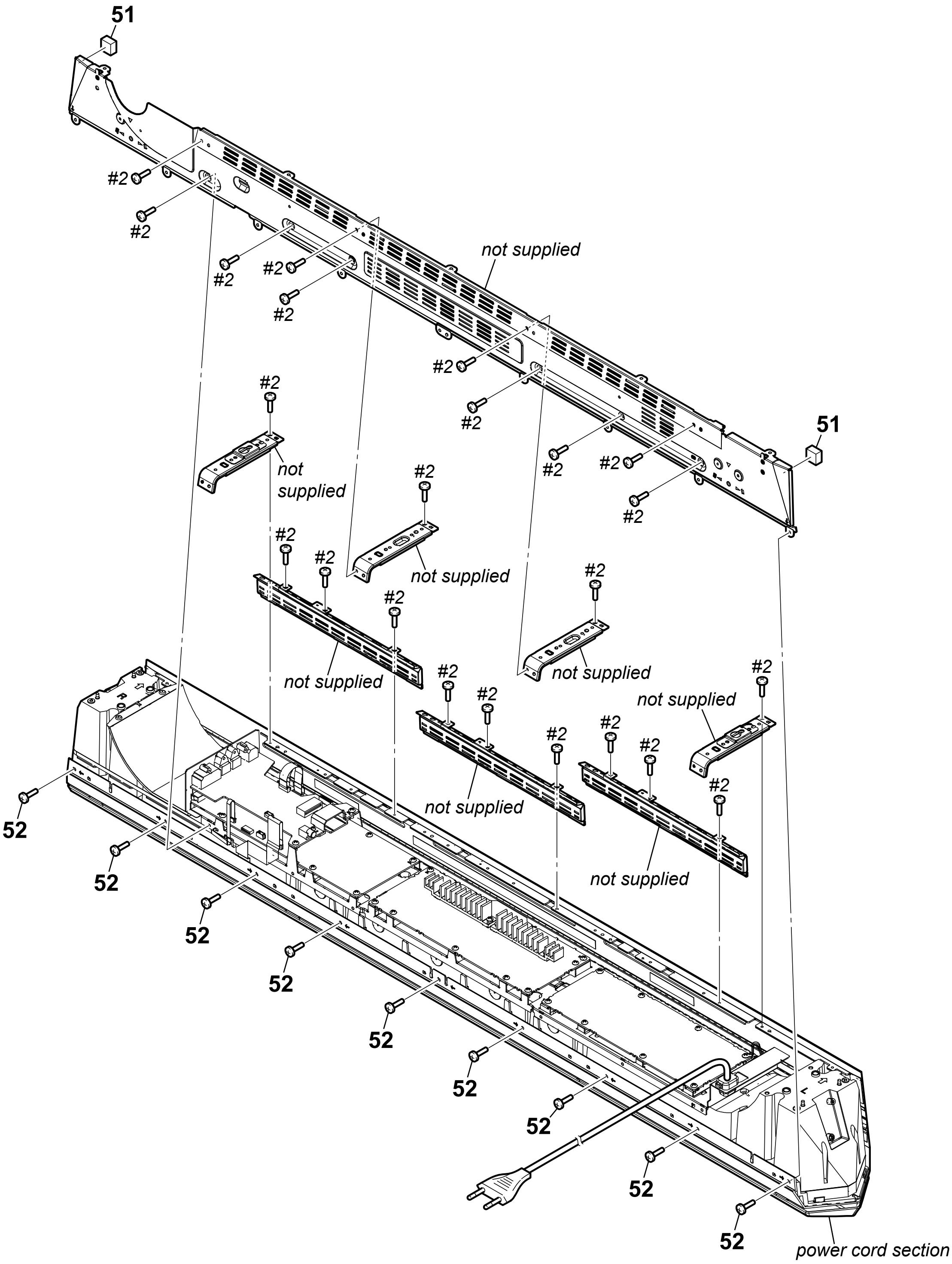
- Rear bottom view



Ref. No.	Part No.	Description	Remark
1	X-2587-428-1	PANEL (REAR L) ASSY (US, CND)	
1	X-2587-726-1	PANEL (REAR L) ASSY (AEP, UK, AUS)	
2	4-448-411-01	PANEL (REAR R)	
3	4-468-968-01	SCREW (STEP) +BVTP3	
4	X-2587-738-1	PANEL (L) ASSY (for L-ch)	
5	X-2587-737-1	PANEL (R) ASSY (for R-ch)	
6	4-457-796-01	FOOT (CORNER)	
7	4-449-062-01	CUSHION (FOOT)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	

5-2. BRACKET (BOTTOM) SECTION

• Rear bottom view

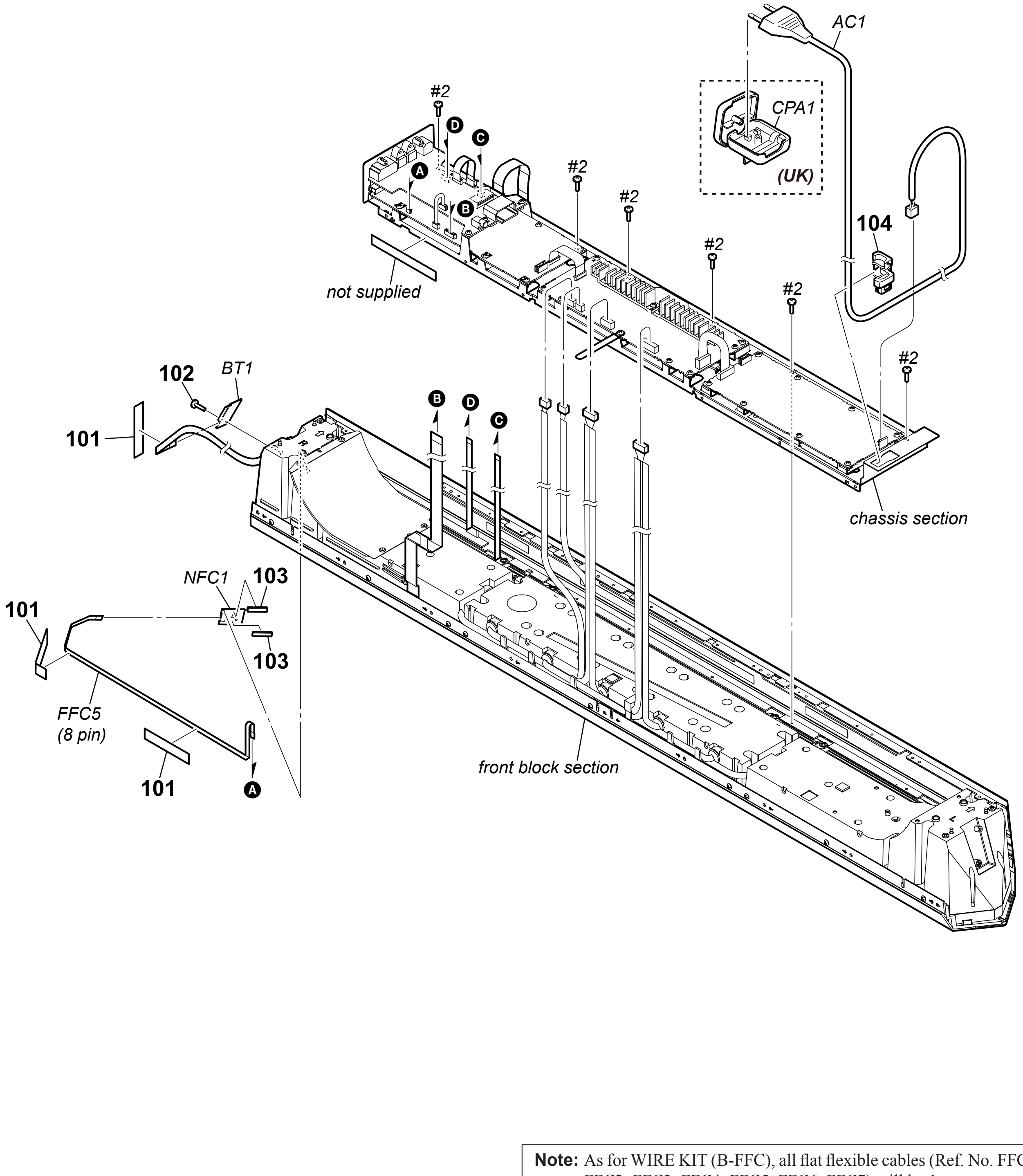


Ref. No.	Part No.	Description	Remark
51	4-472-036-01	CUSHION (GROUND)	
52	3-704-515-22	SCREW (BV/RING)	

Ref. No.	Part No.	Description	Remark
#2	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

5-3. POWER CORD SECTION

- Rear bottom view

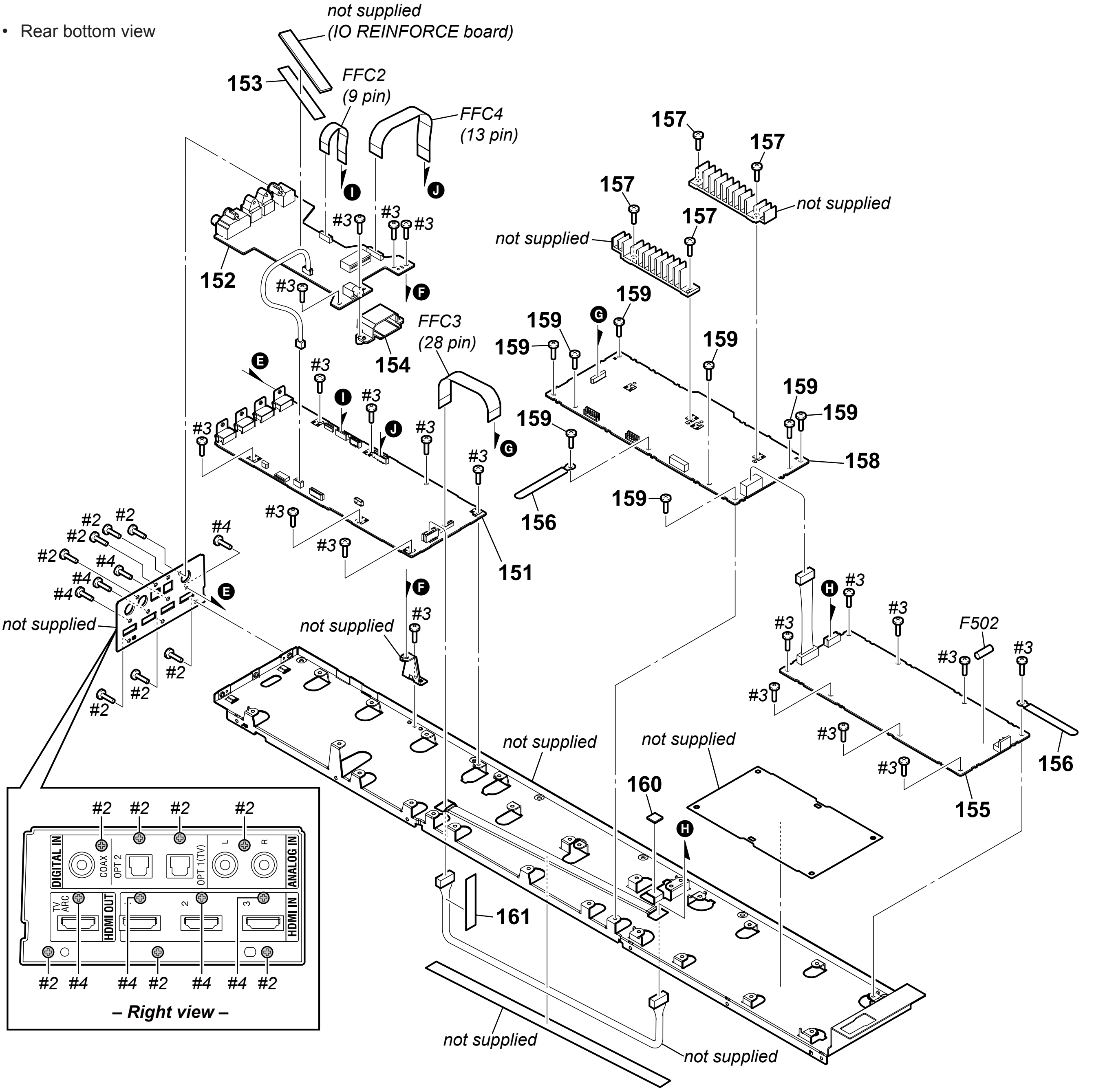


Note: As for WIRE KIT (B-FFC), all flat flexible cables (Ref. No. FFC1, FFC2, FFC3, FFC4, FFC5, FFC6, FFC7) will be 1 set.

Ref. No.	Part No.	Description	Remark
* 101	3-378-109-01	CUSHION, SARANET	
102	3-087-053-01	+BVTP2.6 (3CR)	
103	4-449-063-01	CUSHION (NFC)	
⚠ 104	4-966-267-12	BUSHING (FBS001), CORD	
⚠ AC1	1-777-071-83	CORD, POWER (AEP, UK)	
⚠ AC1	1-835-068-21	CORD, POWER (AUS)	
⚠ AC1	1-837-308-11	CORD, POWER-SUPPLY (US, CND)	
BT1	1-490-558-61	BLUETOOTH MODULE	
⚠ CPA1	1-770-019-72	ADAPTOR, CONVERSION PLUG 3P (UK)	
FFC5	9-833-605-97	WIRE KIT (B-FFC) (8 pin) (See Note)	
NFC1	8-989-470-00	RC-S801/A (NFC)	
#2	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

5-4. CHASSIS SECTION

• Rear bottom view



Note 1: As for WIRE KIT (B-FFC), all flat flexible cables (Ref. No. FFC1, FFC2, FFC3, FFC4, FFC5, FFC6, FFC7) will be 1 set.

Note 2: When the complete MAIN board is replaced, refer to "ABOUT THE PAIRING METHOD" on page 4.

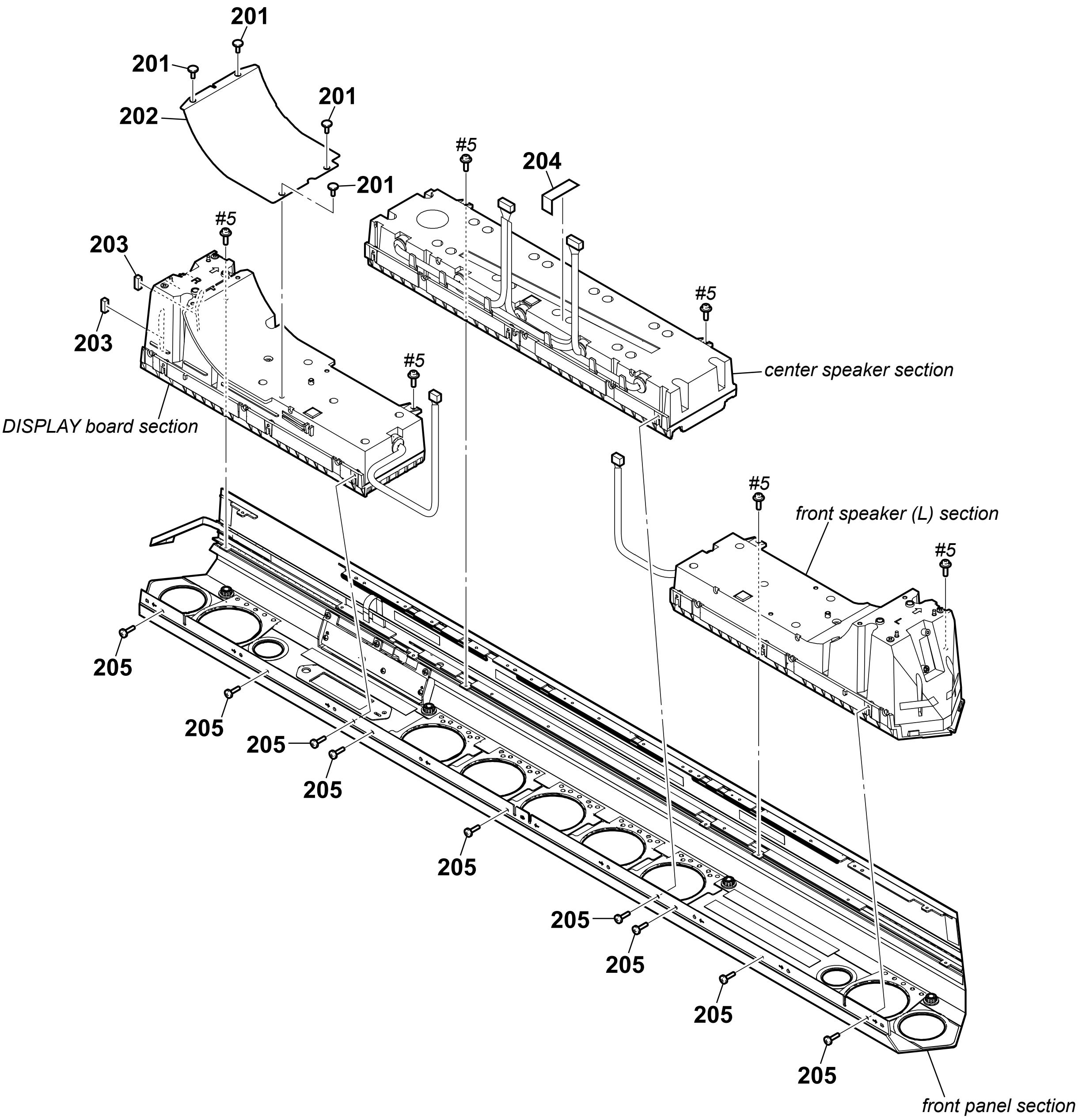
Note 3: When the complete AMP board is replaced, refer to "NOTE OF REPLACING THE IC3001, IC3003, IC3005 AND IC3007 ON THE AMP BOARD AND THE COMPLETE AMP BOARD" on page 4.

Ref. No.	Part No.	Description	Remark
151	A-1968-239-A	MAIN BOARD, COMPLETE (for SERVICE) (US, CND, AUS) (See Note 2)	
151	A-1968-240-A	MAIN BOARD, COMPLETE (for SERVICE) (AEP, UK) (See Note 2)	
152	A-1917-931-A	IO BOARD, COMPLETE	
153	4-461-378-11	TAPE (BT)	
154	4-454-144-01	HOUSING (WIRELESS)	
155	A-1917-935-A	POWER BOARD, COMPLETE (US, CND)	
155	A-1917-937-A	POWER BOARD, COMPLETE (AEP, UK, AUS)	
156	4-237-065-01	CLAMP (L35)	
157	3-905-609-13	SCREW (TRANSISTOR)	
158	A-1917-930-A	AMP BOARD, COMPLETE (See Note 3)	

Ref. No.	Part No.	Description	Remark
159	4-974-510-11	SCREW (+BV 3X8 CU)	
160	4-231-099-91	SHEET, RADIATION	
* 161	3-378-109-01	CUSHION, SARANET	
⚠ F502	1-576-232-51	FUSE (H.B.C.) (T 5 AH/250 V)	
FFC2	9-833-605-97	WIRE KIT (B-FFC) (9 pin) (See Note 1)	
FFC3	9-833-605-97	WIRE KIT (B-FFC) (28 pin) (See Note 1)	
FFC4	9-833-605-97	WIRE KIT (B-FFC) (13 pin) (See Note 1)	
#2	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#3	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
#4	7-682-547-09	SCREW +B 3X6	

5-5. FRONT BLOCK SECTION

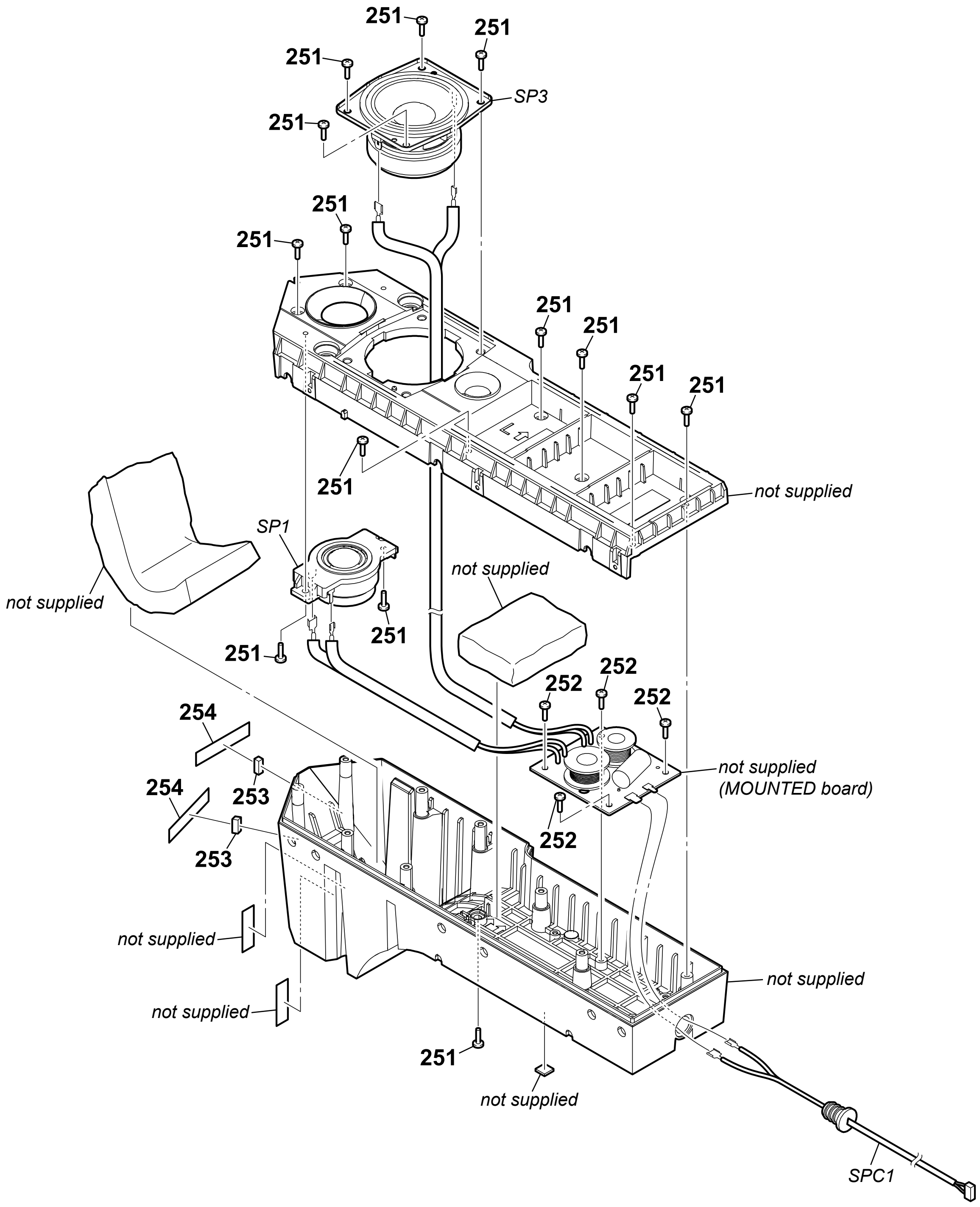
• Rear bottom view



Ref. No.	Part No.	Description	Remark
201	2-249-250-00	CLIP (SMALL), CANOE	
202	4-454-143-01	SHEET (JACK)	
203	4-472-037-01	CUSHION (SLIT)	
* 204	3-378-109-01	CUSHION, SARANET	
205	4-469-674-01	SCREW +BVP-TITE 3X8 BZN	
#5	7-685-903-21	TAPPING +PWH 3X8 TYPE2 N-S	

5-6. FRONT SPEAKER (L) SECTION

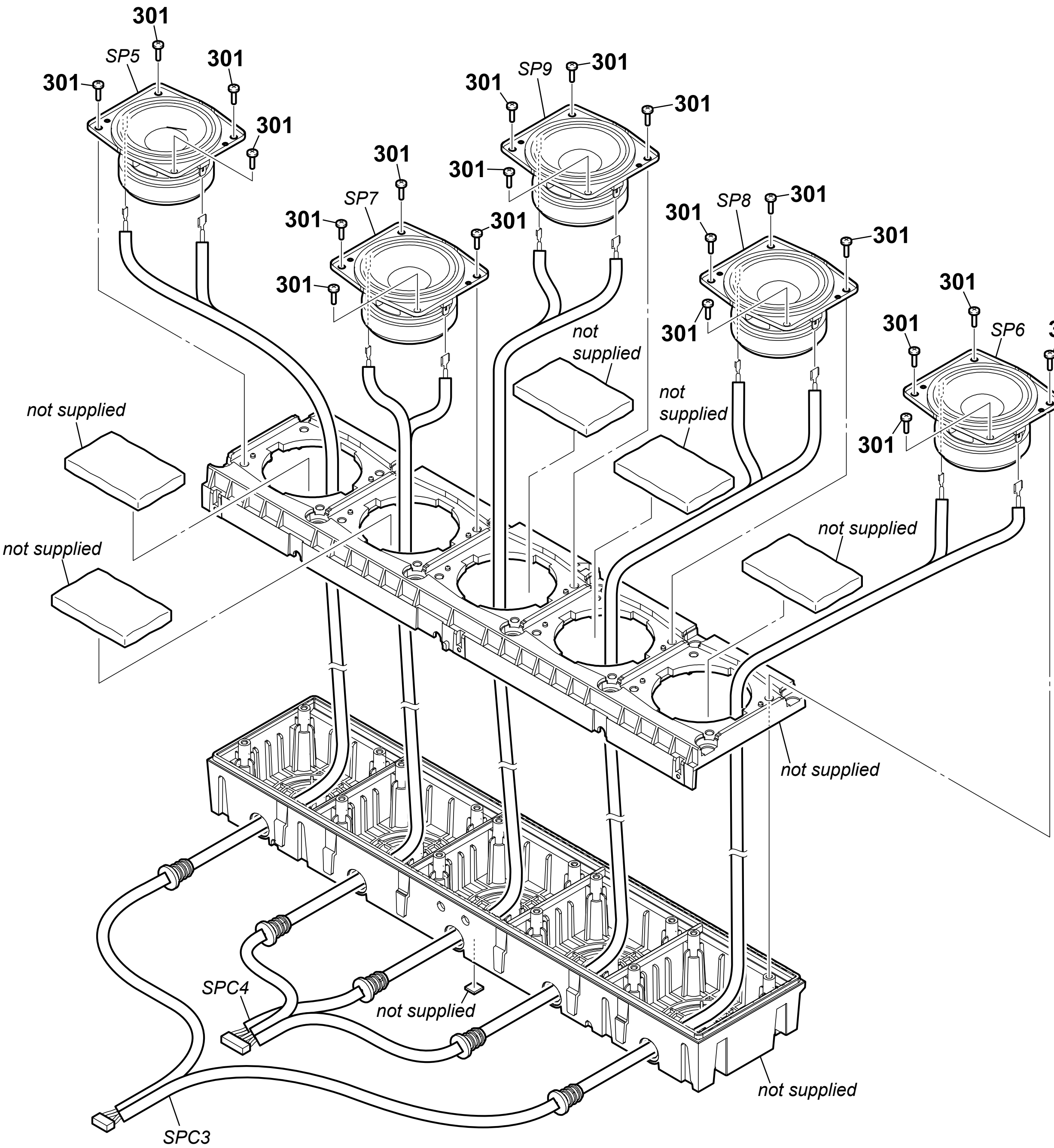
• Front bottom view



Ref. No.	Part No.	Description	Remark
251	4-986-971-21	SCREW (3.5)	
252	4-469-674-01	SCREW +BVP-TITE 3X8 BZN	
253	4-472-037-01	CUSHION (SLIT)	
* 254	3-378-109-01	CUSHION, SARANET	
SP1	1-858-867-12	LOUDSPEAKER (2 cm) (Tweeter) (L-ch)	
SP3	1-858-869-21	LOUDSPEAKER (6.5 cm) (Woofer) (L-ch)	
SPC1	1-846-506-11	CABLE WITH CONNECTOR (GRAY/BLACK) (for L-ch)	

5-7. CENTER SPEAKER SECTION

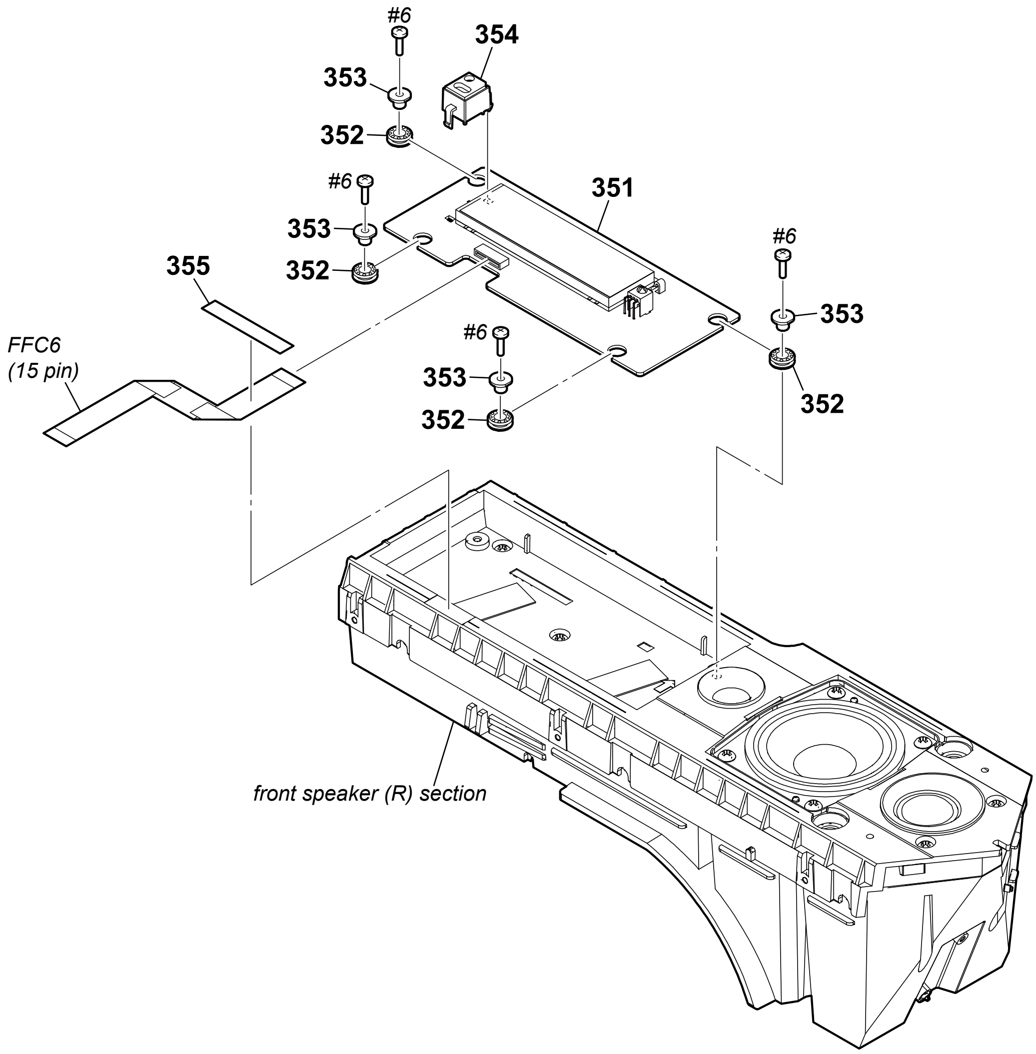
• Front bottom view



Ref. No.	Part No.	Description	Remark
301	4-986-971-21	SCREW (3.5)	
SP5	1-858-869-11	LOUDSPEAKER (6.5 cm) (Surround) (L-ch)	
SP6	1-858-869-11	LOUDSPEAKER (6.5 cm) (Surround) (R-ch)	
SP7	1-858-869-11	LOUDSPEAKER (6.5 cm) (Surround Back) (L-ch)	
SP8	1-858-869-11	LOUDSPEAKER (6.5 cm) (Surround Back) (R-ch)	
SP9	1-858-869-11	LOUDSPEAKER (6.5 cm) (Center)	
SPC3	1-846-507-11	CABLE WITH CONNECTOR (4P) (for Surround L/R)	
SPC4	1-846-508-11	CABLE WITH CONNECTOR (6P) (for Center, Surround Back L/R)	

5-8. DISPLAY BOARD SECTION

- Front bottom view

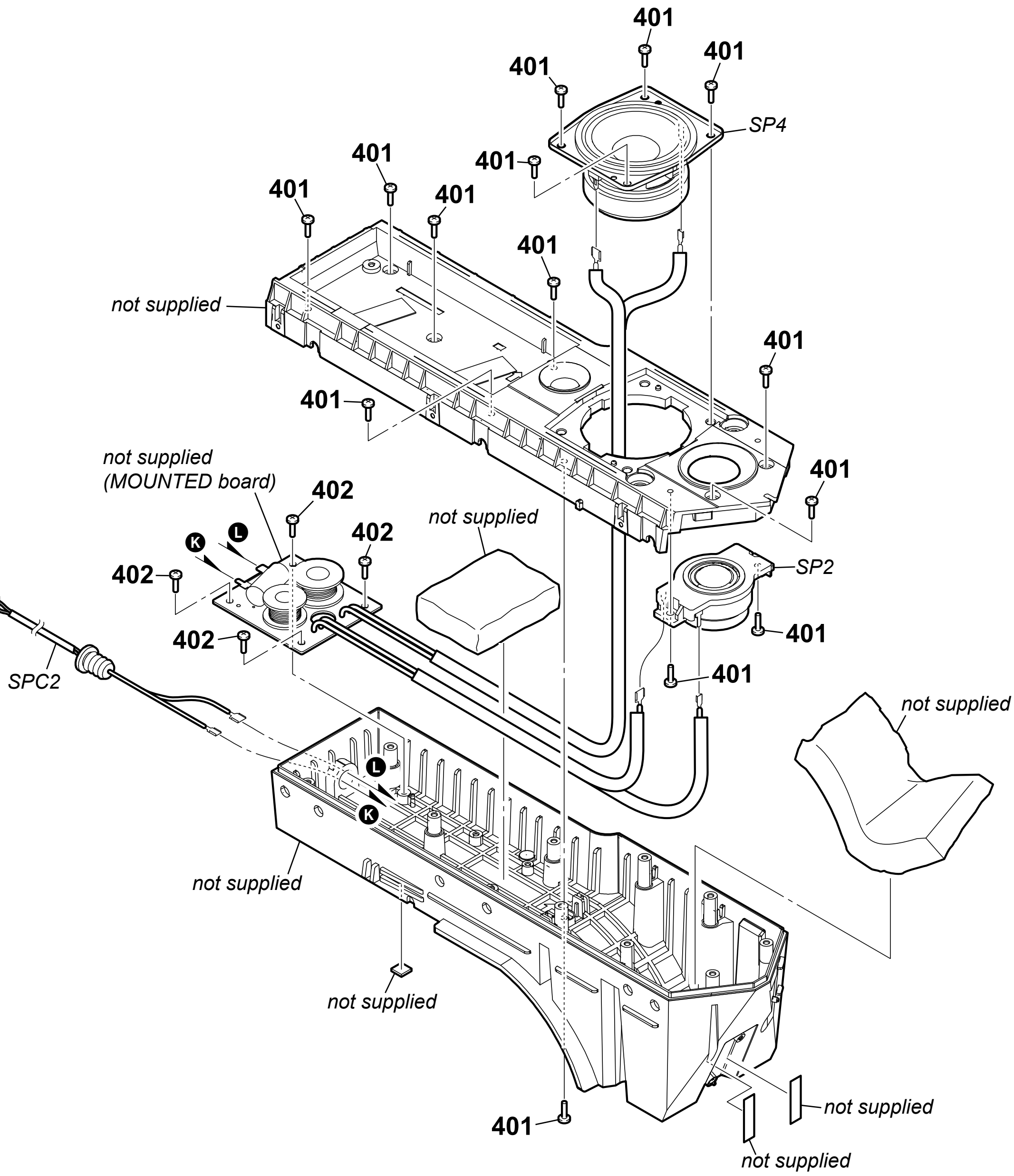


Note: As for WIRE KIT (B-FFC), all flat flexible cables (Ref. No. FFC1, FFC2, FFC3, FFC4, FFC5, FFC6, FFC7) will be 1 set.

Ref. No.	Part No.	Description	Remark
351	A-1917-932-A	DISPLAY BOARD, COMPLETE	
352	4-453-877-01	BUSHING (DAMPER)	
353	4-453-878-01	COLLAR (DAMPER)	
354	X-2587-419-1	HOLDER (LED) ASSY	
* 355	3-378-109-01	CUSHION, SARANET	
FFC6	9-833-605-97	WIRE KIT (B-FFC) (15 pin) (See Note)	
#6	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3	

5-9. FRONT SPEAKER (R) SECTION

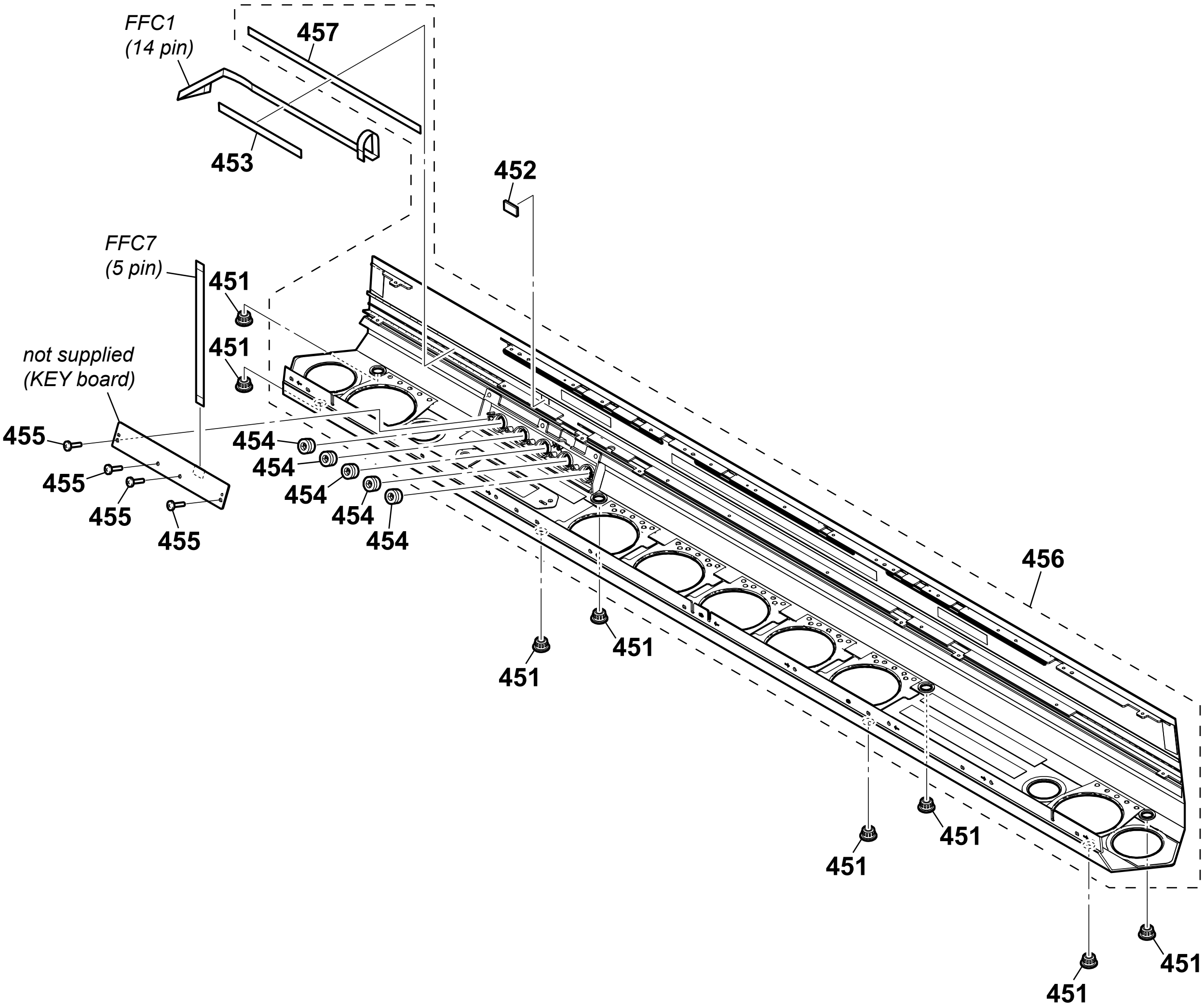
• Front bottom view



Ref. No.	Part No.	Description	Remark
401	4-986-971-21	SCREW (3.5)	
402	4-469-674-01	SCREW +BVP-TITE 3X8 BZN	
SP2	1-858-867-12	LOUDSPEAKER (2 cm) (Tweeter) (R-ch)	
SP4	1-858-869-21	LOUDSPEAKER (6.5 cm) (Woofer) (R-ch)	
SPC2	1-846-506-21	CABLE WITH CONNECTOR (RED/BLACK) (for R-ch)	

5-10. FRONT PANEL SECTION

- Rear bottom view



Note: As for WIRE KIT (B-FFC), all flat flexible cables (Ref. No. FFC1, FFC2, FFC3, FFC4, FFC5, FFC6, FFC7) will be 1 set.

Ref. No.	Part No.	Description	Remark
451	4-448-417-01	CATCHER (FLEX-G)	
452	4-465-794-01	CUSHION (BT PAD)	
453	4-461-341-01	SHEET (BT)	
454	X-2587-407-1	BUTTON ASSY	
455	3-087-053-01	+BVTP2.6 (3CR)	
456	A-1968-811-A	FRONT PANEL ASSY (SERVICE)	
457	4-461-378-01	TAPE (BT)	
FFC1	9-833-605-97	WIRE KIT (B-FFC) (14 pin) (See Note)	
FFC7	9-833-605-97	WIRE KIT (B-FFC) (5 pin) (See Note)	

AMP

SECTION 6
ELECTRICAL PARTS LIST

Note:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- CAPACITORS
  uF: μF
- COILS
  uH: μH
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA. . : μA. . , uPA. . , μPA. . ,
  uPB. . : μPB. . , uPC. . , μPC. . ,
  uPD. . : μPD. .
- Abbreviation
  AUS : Australian model
  CND : Canadian model

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

Ref. No.	Part No.	Description				Remark
	A-1917-930-A	AMP BOARD, COMPLETE (See Note)				
		********************				
		< CAPACITOR >				
C3002	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V	
C3007	1-116-731-11	CERAMIC CHIP	2.2uF	20%	6.3V	
C3012	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V	
C3013	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V	
C3014	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V	
C3015	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V	
C3020	1-114-507-11	CERAMIC CHIP	1uF	10%	50V	
C3023	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V	
C3026	1-116-716-11	CERAMIC CHIP	10uF	10%	16V	
C3027	1-114-507-11	CERAMIC CHIP	1uF	10%	50V	
C3028	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V	
C3034	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V	
C3038	1-112-781-11	CERAMIC CHIP	1uF	10%	10V	
C3039	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V	
C3040	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V	
C3043	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V	
C3044	1-114-507-11	CERAMIC CHIP	1uF	10%	50V	
C3045	1-114-885-51	FILM	1uF	5%	50V	
C3046	1-112-252-21	ELECT	560uF	20%	35V	
C3047	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V	
C3048	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V	
C3049	1-114-507-11	CERAMIC CHIP	1uF	10%	50V	
C3051	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V	
C3052	1-114-885-51	FILM	1uF	5%	50V	
C3054	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V	
C3055	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V	
C3056	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V	
C3057	1-116-731-11	CERAMIC CHIP	2.2uF	20%	6.3V	
C3058	1-116-731-11	CERAMIC CHIP	2.2uF	20%	6.3V	
C3059	1-112-251-21	ELECT	470uF	20%	35V	
C3060	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V	
C3061	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V	
C3062	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V	
C3063	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V	
C3064	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V	
C3067	1-114-507-11	CERAMIC CHIP	1uF	10%	50V	
C3068	1-114-885-51	FILM	1uF	5%	50V	
C3069	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V	
C3070	1-112-776-11	CERAMIC CHIP	0.0047uF	10%	50V	
C3071	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V	
C3072	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V	
C3073	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V	
C3074	1-112-779-11	CERAMIC CHIP	0.047uF	10%	25V	
C3075	1-116-717-11	CERAMIC CHIP	10uF	20%	10V	
C3076	1-112-252-21	ELECT	560uF	20%	35V	
C3077	1-116-716-11	CERAMIC CHIP	10uF	10%	16V	
C3078	1-114-507-11	CERAMIC CHIP	1uF	10%	50V	
C3079	1-112-779-11	CERAMIC CHIP	0.047uF	10%	25V	
C3080	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V	
C3081	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V	
C3083	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V	
C3084	1-112-776-11	CERAMIC CHIP	0.0047uF	10%	50V	
C3085	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V	
C3087	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V	
C3088	1-114-885-51	FILM	1uF	5%	50V	
C3089	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V	
C3091	1-112-781-11	CERAMIC CHIP	1uF	10%	10V	
C3093	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V	
C3095	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V	
C3096	1-114-507-11	CERAMIC CHIP	1uF	10%	50V	
C3097	1-114-885-51	FILM	1uF	5%	50V	
C3098	1-112-252-21	ELECT	560uF	20%	35V	
C3099	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V	
C3100	1-116-717-11	CERAMIC CHIP	10uF	20%	10V	
C3101	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V	
C3102	1-116-717-11	CERAMIC CHIP	10uF	20%	10V	
C3103	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V	
C3104	1-114-507-11	CERAMIC CHIP	1uF	10%	50V	
C3106	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V	
C3107	1-114-885-51	FILM	1uF	5%	50V	
C3109	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V	
C3110	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V	
C3111	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V	
C3113	1-116-717-11	CERAMIC CHIP	10uF	20%	10V	
C3114	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V	
C3115	1-116-731-11	CERAMIC CHIP	2.2uF	20%	6.3V	
C3116	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V	
C3117	1-116-717-11	CERAMIC CHIP	10uF	20%	10V	
C3118	1-116-731-11	CERAMIC CHIP	2.2uF	20%	6.3V	
C3119	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V	

Note: When the complete AMP board is replaced, refer to "NOTE OF REPLACING THE IC3001, IC3003, IC3005 AND IC3007 ON THE AMP BOARD AND THE COMPLETE AMP BOARD" on page 4.

AMP

Ref. No.	Part No.	Description			Remark
C3120	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V
C3121	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V
C3122	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V
C3125	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C3128	1-114-507-11	CERAMIC CHIP	1uF	10%	50V
C3129	1-114-885-51	FILM	1uF	5%	50V
C3130	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V
C3131	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C3132	1-112-252-21	ELECT	560uF	20%	35V
C3133	1-116-716-11	CERAMIC CHIP	10uF	10%	16V
C3134	1-114-507-11	CERAMIC CHIP	1uF	10%	50V
C3135	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C3137	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C3138	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C3139	1-114-885-51	FILM	1uF	5%	50V
C3140	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C3142	1-112-781-11	CERAMIC CHIP	1uF	10%	10V
C3143	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C3145	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C3147	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C3148	1-114-507-11	CERAMIC CHIP	1uF	10%	50V
C3149	1-114-885-51	FILM	1uF	5%	50V
C3150	1-112-252-21	ELECT	560uF	20%	35V
C3151	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C3152	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C3154	1-114-507-11	CERAMIC CHIP	1uF	10%	50V
C3156	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C3157	1-114-885-51	FILM	1uF	5%	50V
C3163	1-126-952-11	ELECT	1000uF	20%	35V
C3164	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V
C3165	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V
C3166	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V
C3168	1-116-731-11	CERAMIC CHIP	2.2uF	20%	6.3V
C3169	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V
C3171	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V
C3172	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V
C3174	1-116-731-11	CERAMIC CHIP	2.2uF	20%	6.3V
C3175	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V
C3178	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C3180	1-114-507-11	CERAMIC CHIP	1uF	10%	50V
C3181	1-114-885-51	FILM	1uF	5%	50V
C3183	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V
C3184	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C3185	1-112-831-31	ELECT	2200uF	20%	35V
C3186	1-116-716-11	CERAMIC CHIP	10uF	10%	16V
C3187	1-114-507-11	CERAMIC CHIP	1uF	10%	50V
C3188	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C3190	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C3191	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C3192	1-114-885-51	FILM	1uF	5%	50V
C3193	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C3195	1-112-781-11	CERAMIC CHIP	1uF	10%	10V
C3196	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C3197	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C3200	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C3201	1-114-507-11	CERAMIC CHIP	1uF	10%	50V
C3202	1-114-885-51	FILM	1uF	5%	50V
C3203	1-112-831-31	ELECT	2200uF	20%	35V
C3204	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C3205	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C3206	1-114-507-11	CERAMIC CHIP	1uF	10%	50V
C3208	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C3209	1-114-885-51	FILM	1uF	5%	50V
C3211	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V
C3212	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V
C3213	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V
C3214	1-114-507-11	CERAMIC CHIP	1uF	10%	50V
C3219	1-118-012-11	CERAMIC CHIP	0.47uF	5%	25V
C3221	1-118-012-11	CERAMIC CHIP	0.47uF	5%	25V
		< CONNECTOR >			
CN3001	1-820-841-31	CONNECTOR, FFC/FPC (LIF) 28P			
* CN3002	1-564-507-11	PLUG, CONNECTOR 4P			
* CN3003	1-564-509-11	PLUG, CONNECTOR 6P			
CN3004	1-564-242-00	PIN, CONNECTOR (3.96 mm PITCH) 5P			
CN3006	1-564-505-11	PLUG, CONNECTOR 2P			
* CN3007	1-564-506-11	PLUG, CONNECTOR 3P			
		< DIODE >			
D3001	6-502-961-01	DIODE DA2J10100L			
D3002	6-502-974-01	DIODE DZ2J140M0L			
		< LUG TERMINAL >			
* ET3001	1-780-408-11	TERMINAL, LUG			
* ET3003	1-780-408-11	TERMINAL, LUG			
* ET3004	1-780-408-11	TERMINAL, LUG			
* ET3005	1-780-408-11	TERMINAL, LUG			
		< FUSE >			
⚠ F3002	1-523-144-31	FUSE (5 A/32 V)			
⚠ F3003	1-523-144-31	FUSE (5 A/32 V)			
⚠ F3004	1-523-144-31	FUSE (5 A/32 V)			
⚠ F3005	1-523-144-31	FUSE (5 A/32 V)			
⚠ F3006	1-523-144-31	FUSE (5 A/32 V)			
⚠ F3007	1-523-144-31	FUSE (5 A/32 V)			
⚠ F3008	1-523-144-31	FUSE (5 A/32 V)			
		< FERRITE BEAD >			
FB3001	1-400-180-21	INDUCTOR, EMI FERRITE (1608)			
FB3002	1-400-180-21	INDUCTOR, EMI FERRITE (1608)			
		< IC >			
IC3001	6-714-477-01	IC CXD9981TN (See Note)			
IC3003	6-714-477-01	IC CXD9981TN (See Note)			
IC3004	6-718-103-01	IC TAS5538DGGR			
IC3005	6-714-477-01	IC CXD9981TN (See Note)			
IC3007	6-714-477-01	IC CXD9981TN (See Note)			
IC3008	6-717-953-01	IC SI-3010KM-TLA			
		< COIL >			
L3006	1-457-579-11	CHOKE COIL	10uH		
L3007	1-457-579-11	CHOKE COIL	10uH		
L3011	1-469-524-91	INDUCTOR	4.7uH		
L3013	1-457-579-11	CHOKE COIL	10uH		
L3014	1-457-579-11	CHOKE COIL	10uH		
L3019	1-457-579-11	CHOKE COIL	10uH		
L3022	1-457-579-11	CHOKE COIL	10uH		
L3027	1-457-579-11	CHOKE COIL	10uH		

Note: When the IC3001, IC3003, IC3005 and IC3007 on the AMP board are replaced, refer to "NOTE OF REPLACING THE IC3001, IC3003, IC3005 AND IC3007 ON THE AMP BOARD AND THE COMPLETE AMP BOARD" on page 4.

AMP

Ref. No.	Part No.	Description				Remark
		< TRANSISTOR >				
Q3001	6-552-892-01	TRANSISTOR	LSCR523UBFS8TL			
Q3003	8-729-013-22	TRANSISTOR	HN1A01FU			
Q3004	8-729-013-22	TRANSISTOR	HN1A01FU			
Q3005	8-729-013-22	TRANSISTOR	HN1A01FU			
Q3006	8-729-013-22	TRANSISTOR	HN1A01FU			
Q3007	8-729-013-22	TRANSISTOR	HN1A01FU			
Q3008	8-729-013-22	TRANSISTOR	HN1A01FU			
Q3009	8-729-013-22	TRANSISTOR	HN1A01FU			
		< RESISTOR >				
R3001	1-216-864-11	SHORT CHIP	0			
R3002	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R3004	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R3007	1-218-967-11	METAL CHIP	15K	5%	1/16W	
R3009	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R3014	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3017	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3018	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3019	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3020	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R3021	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3022	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3026	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3028	1-250-455-11	METAL CHIP	22	1%	1/16W	
R3029	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3030	1-250-455-11	METAL CHIP	22	1%	1/16W	
R3036	1-250-455-11	METAL CHIP	22	1%	1/16W	
R3038	1-250-455-11	METAL CHIP	22	1%	1/16W	
R3039	1-216-296-11	SHORT CHIP	0			
R3040	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3041	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3042	1-216-296-11	SHORT CHIP	0			
R3043	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3044	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3045	1-216-864-11	SHORT CHIP	0			
R3047	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R3048	1-218-990-81	SHORT CHIP	0			
R3049	1-218-990-81	SHORT CHIP	0			
R3050	1-218-990-81	SHORT CHIP	0			
R3051	1-218-990-81	SHORT CHIP	0			
R3052	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R3053	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R3054	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3055	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3056	1-250-455-11	METAL CHIP	22	1%	1/16W	
R3057	1-218-949-11	METAL CHIP	470	5%	1/16W	
R3058	1-250-455-11	METAL CHIP	22	1%	1/16W	
R3059	1-218-949-11	METAL CHIP	470	5%	1/16W	
R3060	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3061	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3062	1-216-296-11	SHORT CHIP	0			
R3063	1-216-296-11	SHORT CHIP	0			
R3064	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R3065	1-216-864-11	SHORT CHIP	0			
R3066	1-250-646-11	METAL CHIP	18K	1%	1/10W	
R3067	1-216-296-11	SHORT CHIP	0			
R3068	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3069	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3070	1-216-296-11	SHORT CHIP	0			
R3071	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3072	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3073	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R3074	1-216-864-11	SHORT CHIP	0			
R3075	1-216-864-11	SHORT CHIP	0			
R3077	1-216-864-11	SHORT CHIP	0			
R3078	1-216-797-11	METAL CHIP	10	5%	1/10W	
R3079	1-216-864-11	SHORT CHIP	0			
R3080	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R3081	1-216-864-11	SHORT CHIP	0			
R3083	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R3084	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R3086	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R3087	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3089	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3090	1-250-455-11	METAL CHIP	22	1%	1/16W	
R3091	1-250-455-11	METAL CHIP	22	1%	1/16W	
R3092	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3093	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3094	1-216-296-11	SHORT CHIP	0			
R3095	1-216-296-11	SHORT CHIP	0			
R3096	1-250-455-11	METAL CHIP	22	1%	1/16W	
R3097	1-250-455-11	METAL CHIP	22	1%	1/16W	
R3098	1-216-296-11	SHORT CHIP	0			
R3099	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3100	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3101	1-216-296-11	SHORT CHIP	0			
R3102	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3103	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3104	1-216-864-11	SHORT CHIP	0			
R3105	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R3109	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R3112	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R3113	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R3114	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3115	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3116	1-250-455-11	METAL CHIP	22	1%	1/16W	
R3117	1-250-455-11	METAL CHIP	22	1%	1/16W	
R3118	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3119	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3120	1-216-296-11	SHORT CHIP	0			
R3121	1-216-296-11	SHORT CHIP	0			
R3122	1-250-455-11	METAL CHIP	22	1%	1/16W	
R3123	1-250-455-11	METAL CHIP	22	1%	1/16W	
R3124	1-216-296-11	SHORT CHIP	0			
R3125	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3126	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3127	1-216-296-11	SHORT CHIP	0			
R3128	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3129	1-216-304-11	METAL CHIP	3.3	5%	1/10W	
R3130	1-216-864-11	SHORT CHIP	0			
R3134	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R3135	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R3136	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3137	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R3138	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R3141	1-216-308-00	METAL CHIP	4.7	5%	1/10W	
R3143	1-216-308-00	METAL CHIP	4.7	5%	1/10W	

Ref. No.	Part No.	Description			Remark
		< COMPOSITION CIRCUIT BLOCK >			
RB3001	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB3002	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB3004	1-234-381-11	RES, NETWORK 100K (1005X4)			
RB3005	1-234-381-11	RES, NETWORK 100K (1005X4)			
RB3006	1-234-381-11	RES, NETWORK 100K (1005X4)			

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Ref. No.	Part No.	Description			Remark
	A-1917-932-A	DISPLAY BOARD, COMPLETE			
		**********************			
		< CAPACITOR >			
C802	1-165-492-21	ELECT CHIP	100uF	20%	10V
C803	1-118-371-11	CERAMIC CHIP	0.015uF	10%	50V
C805	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C806	1-112-776-11	CERAMIC CHIP	0.0047uF	10%	50V
C807	1-116-734-11	CERAMIC CHIP	1uF	20%	16V
C808	1-128-991-21	ELECT CHIP	10uF	20%	50V
C809	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V
C810	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V
C811	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V
C812	1-100-906-11	CERAMIC CHIP	0.01uF	10%	16V
C813	1-112-068-11	CERAMIC CHIP	220PF	10%	50V
C814	1-112-068-11	CERAMIC CHIP	220PF	10%	50V
C815	1-112-068-11	CERAMIC CHIP	220PF	10%	50V
C816	1-116-734-11	CERAMIC CHIP	1uF	20%	16V
C817	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C818	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C819	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C824	1-112-068-11	CERAMIC CHIP	220PF	10%	50V
		< CONNECTOR >			
CN801	1-842-042-51	CONNECTOR, FFC/FPC 15P			
		< DIODE >			
D801	6-500-400-01	DIODE BAV99-215			
D802	6-500-400-01	DIODE BAV99-215			
D803	6-502-966-01	DIODE DZ2J056M0L			
D804	6-502-395-01	LED SL-194S-WS-SD-T (POWER INDICATOR)			
D805	6-503-196-01	LED CL-194S-HB8SP-SD-T (Bluetooth INDICATOR)			
D806	6-502-195-01	LED SML-D12D8WT86SQ (MUTING)			
		< IC >			
IC801	6-600-767-01	IC PNA4823M02S0 (R)			
IC802	6-716-993-01	IC MM1836A33NRE			
		< COIL >			
L801	1-460-379-11	COIL, CHOKE (SMD)		100uH	
		< FLUORESCENT INDICATOR TUBE >			
ND802	1-483-482-11	VACUUM FLUORESCENT DISPLAY			
		< TRANSISTOR >			
Q801	6-553-098-01	TRANSISTOR	KTC3552T-RTK/PW		
Q802	6-553-098-01	TRANSISTOR	KTC3552T-RTK/PW		
Q803	6-552-941-01	TRANSISTOR	LTC023JUBFS8TL		
Q804	6-552-941-01	TRANSISTOR	LTC023JUBFS8TL		
Q805	6-552-941-01	TRANSISTOR	LTC023JUBFS8TL		

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R801	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R802	1-216-805-11	METAL CHIP	47	5%	1/10W
R803	1-216-805-11	METAL CHIP	47	5%	1/10W
R804	1-216-839-11	METAL CHIP	33K	5%	1/10W
R805	1-216-821-11	METAL CHIP	1K	5%	1/10W
R806	1-216-809-11	METAL CHIP	100	5%	1/10W
R807	1-216-809-11	METAL CHIP	100	5%	1/10W
R808	1-216-797-11	METAL CHIP	10	5%	1/10W
R809	1-216-797-11	METAL CHIP	10	5%	1/10W
R810	1-216-841-11	METAL CHIP	47K	5%	1/10W
R812	1-216-809-11	METAL CHIP	100	5%	1/10W
R813	1-216-809-11	METAL CHIP	100	5%	1/10W
R814	1-216-809-11	METAL CHIP	100	5%	1/10W
R815	1-216-809-11	METAL CHIP	100	5%	1/10W
R816	1-218-941-81	METAL CHIP	100	5%	1/16W
R817	1-218-941-81	METAL CHIP	100	5%	1/16W
R818	1-218-941-81	METAL CHIP	100	5%	1/16W
		< TRANSFORMER >			
T801	1-697-282-11	TRANSFORMER, DC-DC CONVERTER			

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Ref. No.	Part No.	Description			Remark
	A-1917-931-A	IO BOARD, COMPLETE			
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		< CAPACITOR >			
C201	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C202	1-112-068-11	CERAMIC CHIP	220PF	10%	50V
C203	1-112-068-11	CERAMIC CHIP	220PF	10%	50V
C204	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V
C205	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V
C206	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C207	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C215	1-164-842-11	CERAMIC CHIP	2PF	0.25PF	50V
C219	1-116-734-11	CERAMIC CHIP	1uF	20%	16V
C223	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V
C230	1-165-492-21	ELECT CHIP	100uF	20%	10V
C263	1-164-315-91	CERAMIC CHIP	470PF	5%	50V
C4001	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C4002	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
		< CONNECTOR >			
CN201	1-820-112-51	CONNECTOR, FFC/FPC 9P			
CN4001	1-785-468-51	CONNECTOR, FFC/FPC 13P			
CN4002	1-838-505-11	CONNECTOR, CARD EDGE 30P (L) (EZW-RT50/EZW-RT20)			
		< IC >			
IC201	6-600-827-01	IC JSR1124 (DIGITAL IN OPT 2)			
IC202	6-600-827-01	IC JSR1124 (DIGITAL IN OPT 1 (TV))			
IC205	8-759-591-61	IC TC7WHU04FU (TE12R)			
		< JACK >			
J201	1-821-058-11	JACK, PIN 2P (ANALOG IN)			
J202	1-784-431-11	JACK, PIN 1P (DIGITAL IN COAX)			
J251	1-563-330-31	JACK (IR BLASTER)			
		< COIL >			
L202	1-400-922-11	INDUCTOR	220uH		

Ref. No.	Part No.	Description				Remark
		< TRANSISTOR >				
Q251	6-552-892-01	TRANSISTOR	LSCR523UBFS8TL			
		< RESISTOR >				
R201	1-216-809-11	METAL CHIP	100	5%	1/10W	
R202	1-216-864-11	SHORT CHIP	0			
R203	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R204	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R205	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R206	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R208	1-216-839-11	METAL CHIP	33K	5%	1/10W	
R209	1-216-839-11	METAL CHIP	33K	5%	1/10W	
R224	1-218-949-11	METAL CHIP	470	5%	1/16W	
R225	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R228	1-216-849-11	METAL CHIP	220K	5%	1/10W	
R233	1-216-809-11	METAL CHIP	100	5%	1/10W	
R235	1-216-809-11	METAL CHIP	100	5%	1/10W	
R237	1-216-809-11	METAL CHIP	100	5%	1/10W	
R251	1-218-941-81	METAL CHIP	100	5%	1/16W	
R252	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R253	1-216-803-11	METAL CHIP	33	5%	1/10W	
R254	1-216-803-11	METAL CHIP	33	5%	1/10W	
R4001	1-218-953-11	METAL CHIP	1K	5%	1/16W	
R4002	1-218-990-81	SHORT CHIP	0			
R4003	1-218-990-81	SHORT CHIP	0			
R4004	1-218-945-11	METAL CHIP	220	5%	1/16W	
R4005	1-218-945-11	METAL CHIP	220	5%	1/16W	
R4006	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R4007	1-218-990-81	SHORT CHIP	0			

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KEY BOARD
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Ref. No.	Part No.	Description				Remark
		< CAPACITOR >				
C751	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C752	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C755	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
		< CONNECTOR >				
CN751	1-816-184-51	CONNECTOR, FFC/FPC 5P				
		< RESISTOR >				
R751	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R754	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
		< SWITCH >				
S751	1-786-653-11	SWITCH, TACTILE (I/⏻)				
S752	1-786-653-11	SWITCH, TACTILE (INPUT)				
S753	1-786-653-11	SWITCH, TACTILE (VOLUME –)				
S754	1-786-653-11	SWITCH, TACTILE (VOLUME +)				
S755	1-786-653-11	SWITCH, TACTILE (BLUETOOTH, ▬ PAIRING)				

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Ref. No.	Part No.	Description	Remark
	A-1968-239-A	MAIN BOARD, COMPLETE (for SERVICE) (US, CND, AUS) (See Note)	
	A-1968-240-A	MAIN BOARD, COMPLETE (for SERVICE) (AEP, UK) (See Note)	

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Ref. No.	Part No.	Description				Remark
		< CAPACITOR >				
C601	1-128-992-21	ELECT CHIP	47uF	20%	25V	
C602	1-116-865-11	CERAMIC CHIP	10uF	10%	25V	
C603	1-116-865-11	CERAMIC CHIP	10uF	10%	25V	
C605	1-116-865-11	CERAMIC CHIP	10uF	10%	25V	
C607	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V	
C608	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V	
C609	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C610	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C613	1-128-992-21	ELECT CHIP	47uF	20%	25V	
C614	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V	
C615	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V	
C616	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V	
C617	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C619	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C620	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V	
C621	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V	
* C622	1-116-714-11	CERAMIC CHIP	22uF	20%	6.3V	
C623	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V	
C624	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V	
* C625	1-116-714-11	CERAMIC CHIP	22uF	20%	6.3V	
C626	1-116-737-11	CERAMIC CHIP	1uF	20%	10V	
C628	1-116-737-11	CERAMIC CHIP	1uF	20%	10V	
C629	1-116-737-11	CERAMIC CHIP	1uF	20%	10V	
C636	1-116-865-11	CERAMIC CHIP	10uF	10%	25V	
C637	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V	
C638	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C640	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V	
C643	1-116-716-11	CERAMIC CHIP	10uF	10%	16V	
C644	1-116-716-11	CERAMIC CHIP	10uF	10%	16V	
C645	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V	
C646	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V	
C647	1-116-713-11	CERAMIC CHIP	22uF	20%	10V	
C648	1-116-716-11	CERAMIC CHIP	10uF	10%	16V	
* C649	1-116-714-11	CERAMIC CHIP	22uF	20%	6.3V	
C650	1-116-711-11	CERAMIC CHIP	22uF	20%	16V	
C651	1-116-717-11	CERAMIC CHIP	10uF	20%	10V	
C901	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C902	1-116-734-11	CERAMIC CHIP	1uF	20%	16V	
C903	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V	
C904	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V	
C905	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V	
C906	1-164-866-11	CERAMIC CHIP	47PF	5%	50V	
C907	1-164-866-11	CERAMIC CHIP	47PF	5%	50V	
C908	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C911	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C912	1-164-852-11	CERAMIC CHIP	12PF	5%	50V	
C913	1-116-734-11	CERAMIC CHIP	1uF	20%	16V	
C914	1-116-734-11	CERAMIC CHIP	1uF	20%	16V	
C916	1-114-340-81	CERAMIC CHIP	15PF	2%	50V	
C917	1-114-325-11	CERAMIC CHIP	0.1uF	10%	25V	
C918	1-112-776-11	CERAMIC CHIP	0.0047uF	10%	50V	
C919	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V	
C920	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C921	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V	
C922	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V	
C923	1-164-874-11	CERAMIC CHIP	100PF	5%	50V	
C924	1-164-874-11	CERAMIC CHIP	100PF	5%	50V	
C932	1-116-734-11	CERAMIC CHIP	1uF	20%	16V	
C933	1-165-492-21	ELECT CHIP	100uF	20%	10V	

Note: When the complete MAIN board is replaced, refer to "ABOUT THE PAIRING METHOD" on page 4.

Ref. No.	Part No.	Description			Remark
C934	1-116-734-11	CERAMIC CHIP	1uF	20%	16V
C940	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C941	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C945	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C946	1-116-726-11	CERAMIC CHIP	2.2uF	10%	25V
C1001	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1002	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1003	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1005	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1006	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1007	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1008	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C1009	1-114-320-11	CERAMIC CHIP	0.22uF	10%	6.3V
C1010	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1012	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1014	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C1015	1-116-734-11	CERAMIC CHIP	1uF	20%	16V
C1016	1-165-492-21	ELECT CHIP	100uF	20%	10V
C1019	1-116-734-11	CERAMIC CHIP	1uF	20%	16V
C1020	1-135-825-21	FILM CHIP	0.0047uF	2%	16V
C1021	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1023	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1025	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1026	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1027	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1028	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C1029	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1030	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1201	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1202	1-128-392-11	ELECT CHIP	470uF	20%	6.3V
C1203	1-118-403-11	CERAMIC CHIP	0.001uF	10%	50V
C1204	1-118-403-11	CERAMIC CHIP	0.001uF	10%	50V
C1205	1-118-403-11	CERAMIC CHIP	0.001uF	10%	50V
C1206	1-118-403-11	CERAMIC CHIP	0.001uF	10%	50V
C1207	1-118-403-11	CERAMIC CHIP	0.001uF	10%	50V
C1208	1-118-403-11	CERAMIC CHIP	0.001uF	10%	50V
C3358	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3363	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3364	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3516	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
C3518	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3519	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3520	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3523	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3525	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3526	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3527	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
C3528	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3529	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3532	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
C3533	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C3534	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3536	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3538	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C3540	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3541	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C3542	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3543	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C3544	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3545	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C3546	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3548	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3549	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C3550	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C3551	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C3552	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3553	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3554	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3555	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3557	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3558	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3559	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3560	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C3562	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C3563	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C3564	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C3565	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C3566	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C3567	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C3568	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
C3569	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3725	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3727	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3728	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3729	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
C3730	1-116-726-11	CERAMIC CHIP	2.2uF	10%	25V
C3731	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C3732	1-116-726-11	CERAMIC CHIP	2.2uF	10%	25V
C3733	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C5000	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C5001	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C5002	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C5003	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C5004	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C5005	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C5006	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C5007	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C5008	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5009	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5012	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C5014	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C5016	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5017	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5018	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5019	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5020	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C5021	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C5022	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C5023	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C5024	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C5025	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C5026	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C5027	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C5028	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C5029	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C5030	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C5031	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C5032	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C5033	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C5034	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V

MAIN

Ref. No.	Part No.	Description				Remark
C5035	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5036	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C5037	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5038	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5039	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C5040	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5041	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	
C5042	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C5043	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C5044	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C5045	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5046	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C5047	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C5048	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C5049	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5050	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C5051	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5052	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	
C5053	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5054	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5055	1-114-385-11	ELECT CHIP	470uF	20%	6.3V	
C5056	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C5057	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	
C5058	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5059	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	
C5060	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5061	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5062	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C5064	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5065	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5066	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5067	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5068	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C5069	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5070	1-114-385-11	ELECT CHIP	470uF	20%	6.3V	
C5071	1-114-385-11	ELECT CHIP	470uF	20%	6.3V	
C5072	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	
C5074	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V	
C5076	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	
C5105	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	
C5500	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C5501	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C5502	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C5503	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C5505	1-164-858-11	CERAMIC CHIP	22PF	5%	50V	
C5506	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V	
		< CONNECTOR >				
CN601	1-779-993-11	PIN, CONNECTOR (PWB) 5P				
CN901	1-820-112-51	CONNECTOR, FFC/FPC 9P				
CN902	1-815-762-31	CONNECTOR, FFC/FPC (LIF) 14P				
CN1001	1-785-468-51	CONNECTOR, FFC/FPC 13P				
CN1002	1-820-384-31	CONNECTOR, FFC/FPC (LIF) 8P				
CN1004	1-691-550-11	PIN, CONNECTOR (1.5 mm) (SMD) 3P				
CN1005	1-820-115-51	CONNECTOR, FFC/FPC 15P				
CN1006	1-784-861-51	CONNECTOR, FFC (LIF (NON-ZIF)) 9P				
CN1007	1-794-362-51	CONNECTOR, FFC/FPC 5P				
CN3200	1-821-398-41	HDMI CONNECTOR (HDMI OUT ARC TV)				
CN3501	1-821-398-41	HDMI CONNECTOR (HDMI IN 3)				
CN3502	1-821-398-41	HDMI CONNECTOR (HDMI IN 2)				

Ref. No.	Part No.	Description	Remark
CN3503	1-821-398-41	HDMI CONNECTOR (HDMI IN 1)	
CN5002	1-820-841-31	CONNECTOR, FFC/FPC (LIF) 28P	
		< DIODE >	
D901	6-500-400-01	DIODE BAV99-215	
D1001	6-502-934-01	DIODE DB2S31100K8	
D1002	6-502-934-01	DIODE DB2S31100K8	
D1003	6-502-961-01	DIODE DA2J10100L	
D1004	6-502-934-01	DIODE DB2S31100K8	
D1005	6-502-961-01	DIODE DA2J10100L	
D1006	6-502-978-01	DIODE DA2J10400L	
D1007	6-502-934-01	DIODE DB2S31100K8	
D1008	6-502-961-01	DIODE DA2J10100L	
D5001	6-502-934-01	DIODE DB2S31100K8	
		< LUG TERMINAL >	
* ET1001	1-780-408-11	TERMINAL, LUG	
* ET1002	1-780-408-11	TERMINAL, LUG	
* ET3500	1-780-408-11	TERMINAL, LUG	
* ET3501	1-780-408-11	TERMINAL, LUG	
* ET5000	1-780-408-11	TERMINAL, LUG	
* ET5001	1-780-408-11	TERMINAL, LUG	
		< FERRITE BEAD >	
FB601	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB602	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB603	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB901	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB902	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB903	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB1001	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB1002	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB1003	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB1005	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB1006	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB1007	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB1008	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB3503	1-400-921-21	FERRITE, EMI (SMD)	
FB3504	1-400-580-21	FERRITE, EMI (SMD)	
FB3505	1-481-348-21	EMI FERRITE (SMD) (1608)	
FB3506	1-481-348-21	EMI FERRITE (SMD) (1608)	
FB5000	1-481-467-11	BEAD, FERRITE (CHIP)	
FB5001	1-481-467-11	BEAD, FERRITE (CHIP)	
FB5002	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB5003	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
		< FILTER >	
FL5000	1-400-874-11	FILTER, EMI REMOVAL (SMD)	
FL5002	1-400-874-11	FILTER, EMI REMOVAL (SMD)	
FL5003	1-400-874-11	FILTER, EMI REMOVAL (SMD)	
		< IC >	
IC601	6-717-879-01	IC RT8293ALZSP	
IC602	6-717-879-01	IC RT8293ALZSP	
IC603	6-716-781-01	IC RT8252ALGSP	
IC604	6-717-680-01	IC BD00IC0WEFJ-E2	
IC605	6-717-879-01	IC RT8293ALZSP	
IC901	6-707-800-01	IC SRC4182	
IC902	6-719-198-01	IC MM3411A33URE	
IC904	6-716-745-01	IC PCM9211PTR	

Ref. No.	Part No.	Description				Remark
IC905	6-710-366-01	IC 74LVC1G04GW-125				
IC906	6-719-198-01	IC MM3411A33URE				
IC908	6-717-798-01	IC R1191N050B-TR-FE				
IC1001	6-714-351-01	IC R1EX24016ASAS0A				
IC1002	A-1968-244-A	IC R5F3650NCDFB (for SERVICE) (See Note 1)				
IC1004	6-713-333-01	IC PST8429UL				
IC1005	6-719-198-01	IC MM3411A33URE				
IC1006	6-709-888-01	IC TC7WHU04FK				
IC1007	6-706-483-01	IC TC7SH02FU				
IC3506	(Not supplied)	IC SII9573CTUC (See Note 2)				
IC3704	6-717-680-01	IC BD00IC0WEFJ-E2				
IC5000	6-716-354-01	IC W9864G6JH-6-ER10				
IC5001	6-719-106-01	IC ADSST-AVR-3046				
IC5002	A-1968-245-A	IC W25Q16CVSSIG-R (for SERVICE)				
IC5101	6-710-388-01	IC 74LVC1G79GW-125				
IC5102	6-704-099-01	IC TC7WZ08FK				
IC5105	6-707-870-01	IC TC74VHC157FT (EKJ)				
IC5500	8-759-655-22	IC TC7WH34FK				
IC6004	6-720-524-01	IC R1191H050B-T1-FE				
IC6005	6-717-798-01	IC R1191N050B-TR-FE				
		< COIL >				
L601	1-400-789-21	INDUCTOR	2.2uH			
L602	1-400-789-21	INDUCTOR	2.2uH			
L603	1-400-789-21	INDUCTOR	2.2uH			
L604	1-457-995-11	CHOKE COIL	10uH			
L605	1-457-995-11	CHOKE COIL	10uH			
L606	1-457-995-11	CHOKE COIL	10uH			
L607	1-400-789-21	INDUCTOR	2.2uH			
L608	1-457-995-11	CHOKE COIL	10uH			
L611	1-457-995-11	CHOKE COIL	10uH			
L612	1-457-995-11	CHOKE COIL	10uH			
L902	1-481-524-11	INDUCTOR	10uH			
L903	1-481-524-11	INDUCTOR	10uH			
L905	1-412-977-41	INDUCTOR	0.68uH			
L906	1-481-524-11	INDUCTOR	10uH			
L907	1-400-922-11	INDUCTOR	220uH			
L1001	1-400-789-21	INDUCTOR	2.2uH			
L1002	1-400-789-21	INDUCTOR	2.2uH			
L3500	1-469-555-21	INDUCTOR	10uH			
L5504	1-412-977-41	INDUCTOR	0.68uH			
		< TRANSISTOR >				
Q1001	6-551-346-01	FET	LSK3541FS8T2L			
Q1002	6-552-892-01	TRANSISTOR	LSCR523UBFS8TL			
Q1004	6-552-936-01	TRANSISTOR	LTC014EUBFS8TL			
* Q5001	6-552-923-01	TRANSISTOR	LTA014TUBFS8TL			
Q5002	6-552-936-01	TRANSISTOR	LTC014EUBFS8TL			
		< RESISTOR >				
R601	1-218-953-11	METAL CHIP	1K	5%	1/16W	
R602	1-218-953-11	METAL CHIP	1K	5%	1/16W	
R603	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	
R604	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	
R605	1-218-990-81	SHORT CHIP	0			
R606	1-218-990-81	SHORT CHIP	0			
R607	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R608	1-218-969-11	METAL CHIP	22K	5%	1/16W	
R609	1-250-519-11	METAL CHIP	10K	1%	1/16W	
* R610	1-250-523-11	METAL CHIP	15K	1%	1/16W	
R611	1-250-495-11	METAL CHIP	1K	1%	1/16W	
* R612	1-250-507-11	METAL CHIP	3.3K	1%	1/16W	
R613	1-250-487-11	METAL CHIP	470	1%	1/16W	
R614	1-250-519-11	METAL CHIP	10K	1%	1/16W	
* R615	1-250-507-11	METAL CHIP	3.3K	1%	1/16W	
R616	1-250-519-11	METAL CHIP	10K	1%	1/16W	
* R617	1-250-507-11	METAL CHIP	3.3K	1%	1/16W	
R621	1-218-953-11	METAL CHIP	1K	5%	1/16W	
* R622	1-250-523-11	METAL CHIP	15K	1%	1/16W	
R623	1-250-535-11	METAL CHIP	47K	1%	1/16W	
R627	1-218-953-11	METAL CHIP	1K	5%	1/16W	
R628	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	
R629	1-218-990-81	SHORT CHIP	0			
R631	1-250-531-11	METAL CHIP	33K	1%	1/16W	
R632	1-250-519-11	METAL CHIP	10K	1%	1/16W	
* R633	1-250-511-11	METAL CHIP	4.7K	1%	1/16W	
R901	1-218-941-81	METAL CHIP	100	5%	1/16W	
R902	1-218-941-81	METAL CHIP	100	5%	1/16W	
R903	1-218-941-81	METAL CHIP	100	5%	1/16W	
R904	1-218-941-81	METAL CHIP	100	5%	1/16W	
R905	1-218-941-81	METAL CHIP	100	5%	1/16W	
R906	1-218-941-81	METAL CHIP	100	5%	1/16W	
R907	1-218-945-11	METAL CHIP	220	5%	1/16W	
R908	1-216-864-11	SHORT CHIP	0			
R909	1-216-864-11	SHORT CHIP	0			
R910	1-218-941-81	METAL CHIP	100	5%	1/16W	
R911	1-218-941-81	METAL CHIP	100	5%	1/16W	
R912	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	
R913	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	
R914	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	
R915	1-218-941-81	METAL CHIP	100	5%	1/16W	
R916	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R918	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R919	1-218-990-81	SHORT CHIP	0			
R920	1-218-941-81	METAL CHIP	100	5%	1/16W	
R921	1-218-941-81	METAL CHIP	100	5%	1/16W	
R922	1-218-990-81	SHORT CHIP	0			
R923	1-218-941-81	METAL CHIP	100	5%	1/16W	
R924	1-218-941-81	METAL CHIP	100	5%	1/16W	
R925	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R926	1-218-941-81	METAL CHIP	100	5%	1/16W	
R927	1-218-941-81	METAL CHIP	100	5%	1/16W	
R928	1-218-953-11	METAL CHIP	1K	5%	1/16W	
R929	1-218-941-81	METAL CHIP	100	5%	1/16W	
R930	1-218-941-81	METAL CHIP	100	5%	1/16W	
R931	1-218-941-81	METAL CHIP	100	5%	1/16W	
R933	1-218-941-81	METAL CHIP	100	5%	1/16W	
R934	1-218-941-81	METAL CHIP	100	5%	1/16W	
R938	1-218-947-11	METAL CHIP	330	5%	1/16W	
R943	1-218-951-11	METAL CHIP	680	5%	1/16W	
R949	1-218-941-81	METAL CHIP	100	5%	1/16W	
R950	1-218-941-81	METAL CHIP	100	5%	1/16W	
R951	1-218-941-81	METAL CHIP	100	5%	1/16W	
R954	1-218-941-81	METAL CHIP	100	5%	1/16W	
R955	1-218-941-81	METAL CHIP	100	5%	1/16W	
R956	1-218-941-81	METAL CHIP	100	5%	1/16W	
R957	1-218-941-81	METAL CHIP	100	5%	1/16W	
R958	1-218-941-81	METAL CHIP	100	5%	1/16W	
R959	1-218-941-81	METAL CHIP	100	5%	1/16W	
R960	1-218-941-81	METAL CHIP	100	5%	1/16W	

Note 1: When IC1002 on the MAIN board is replaced, refer to “ABOUT THE PAIRING METHOD” on page 4.

Note 2: IC3506 on the MAIN board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

MAIN

Ref. No.	Part No.	Description			Remark
R961	1-218-941-81	METAL CHIP	100	5%	1/16W
R963	1-218-941-81	METAL CHIP	100	5%	1/16W
R964	1-218-941-81	METAL CHIP	100	5%	1/16W
R965	1-218-953-11	METAL CHIP	1K	5%	1/16W
R967	1-218-941-81	METAL CHIP	100	5%	1/16W
R968	1-218-941-81	METAL CHIP	100	5%	1/16W
R973	1-218-953-11	METAL CHIP	1K	5%	1/16W
R974	1-218-953-11	METAL CHIP	1K	5%	1/16W
R976	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1001	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1002	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1003	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1004	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (AEP, UK)
R1004	1-216-837-11	METAL CHIP	22K	5%	1/10W (US, CND, AUS)
R1006	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1007	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1008	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1010	1-218-941-81	METAL CHIP	100	5%	1/16W
R1011	1-218-941-81	METAL CHIP	100	5%	1/16W
R1012	1-218-941-81	METAL CHIP	100	5%	1/16W
R1013	1-216-841-11	METAL CHIP	47K	5%	1/10W (US, CND, AUS)
R1014	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1015	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1016	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1017	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1018	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1020	1-218-941-81	METAL CHIP	100	5%	1/16W
R1021	1-218-941-81	METAL CHIP	100	5%	1/16W
R1022	1-218-973-11	METAL CHIP	47K	5%	1/16W
R1023	1-218-941-81	METAL CHIP	100	5%	1/16W
R1025	1-218-941-81	METAL CHIP	100	5%	1/16W
R1026	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1027	1-218-941-81	METAL CHIP	100	5%	1/16W
R1028	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1029	1-218-941-81	METAL CHIP	100	5%	1/16W
R1030	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1031	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1032	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1033	1-216-864-11	SHORT CHIP	0		
R1034	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1037	1-218-973-11	METAL CHIP	47K	5%	1/16W
R1038	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1039	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1040	1-218-941-81	METAL CHIP	100	5%	1/16W
R1041	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1042	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1045	1-218-937-11	METAL CHIP	47	5%	1/16W
R1046	1-218-937-11	METAL CHIP	47	5%	1/16W
R1047	1-218-937-11	METAL CHIP	47	5%	1/16W
R1048	1-218-937-11	METAL CHIP	47	5%	1/16W
R1049	1-218-941-81	METAL CHIP	100	5%	1/16W
R1050	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1051	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1052	1-218-973-11	METAL CHIP	47K	5%	1/16W
R1053	1-218-941-81	METAL CHIP	100	5%	1/16W
R1054	1-218-941-81	METAL CHIP	100	5%	1/16W
R1055	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1058	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1059	1-218-941-81	METAL CHIP	100	5%	1/16W
R1060	1-218-941-81	METAL CHIP	100	5%	1/16W
R1061	1-218-941-81	METAL CHIP	100	5%	1/16W
R1062	1-218-941-81	METAL CHIP	100	5%	1/16W
R1063	1-218-941-81	METAL CHIP	100	5%	1/16W
R1064	1-218-941-81	METAL CHIP	100	5%	1/16W
R1065	1-218-941-81	METAL CHIP	100	5%	1/16W
R1068	1-218-941-81	METAL CHIP	100	5%	1/16W
R1069	1-218-941-81	METAL CHIP	100	5%	1/16W
R1070	1-218-973-11	METAL CHIP	47K	5%	1/16W
R1071	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1072	1-218-973-11	METAL CHIP	47K	5%	1/16W
R1073	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1074	1-218-990-81	SHORT CHIP	0		
R1075	1-218-971-11	METAL CHIP	33K	5%	1/16W
R1076	1-218-971-11	METAL CHIP	33K	5%	1/16W
R1077	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1078	1-218-941-81	METAL CHIP	100	5%	1/16W
R1081	1-250-648-11	METAL CHIP	22K	1%	1/10W
R1082	1-250-664-11	METAL CHIP	100K	1%	1/10W
R1083	1-250-628-11	METAL CHIP	3.3K	1%	1/10W
R1085	1-250-626-11	METAL CHIP	2.7K	1%	1/10W
R1087	1-218-941-81	METAL CHIP	100	5%	1/16W
R1088	1-218-941-81	METAL CHIP	100	5%	1/16W
R1089	1-218-941-81	METAL CHIP	100	5%	1/16W
R1090	1-218-941-81	METAL CHIP	100	5%	1/16W
R1091	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1092	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1093	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1094	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1095	1-218-941-81	METAL CHIP	100	5%	1/16W
R1096	1-218-941-81	METAL CHIP	100	5%	1/16W
R1097	1-218-941-81	METAL CHIP	100	5%	1/16W
R1098	1-218-941-81	METAL CHIP	100	5%	1/16W
R1099	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1101	1-218-941-81	METAL CHIP	100	5%	1/16W
R1102	1-218-941-81	METAL CHIP	100	5%	1/16W
R1103	1-218-941-81	METAL CHIP	100	5%	1/16W
R1104	1-218-941-81	METAL CHIP	100	5%	1/16W
R1105	1-218-941-81	METAL CHIP	100	5%	1/16W
R1106	1-218-941-81	METAL CHIP	100	5%	1/16W
R1107	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1115	1-218-941-81	METAL CHIP	100	5%	1/16W
R1116	1-218-941-81	METAL CHIP	100	5%	1/16W
R1117	1-218-941-81	METAL CHIP	100	5%	1/16W
R1118	1-218-941-81	METAL CHIP	100	5%	1/16W
R1231	1-216-864-11	SHORT CHIP	0		
R1232	1-218-941-81	METAL CHIP	100	5%	1/16W
R1233	1-218-941-81	METAL CHIP	100	5%	1/16W
R1234	1-218-941-81	METAL CHIP	100	5%	1/16W
R1235	1-218-941-81	METAL CHIP	100	5%	1/16W
R1236	1-218-941-81	METAL CHIP	100	5%	1/16W
R1237	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R1238	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R1239	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1240	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R3365	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3370	1-250-482-11	METAL CHIP	300	1%	1/16W
R3372	1-220-168-81	METAL CHIP	62	5%	1/16W
R3373	1-218-990-81	SHORT CHIP	0		

	Ref. No.	Part No.	Description			Remark
	R3374	1-220-168-81	METAL CHIP	62	5%	1/16W
	R3376	1-218-973-11	METAL CHIP	47K	5%	1/16W
	R3377	1-218-973-11	METAL CHIP	47K	5%	1/16W
	R3380	1-218-953-11	METAL CHIP	1K	5%	1/16W
	R3386	1-218-956-11	METAL CHIP	1.8K	5%	1/16W
	R3387	1-218-956-11	METAL CHIP	1.8K	5%	1/16W
	R3501	1-218-990-81	SHORT CHIP	0		
	R3502	1-218-990-81	SHORT CHIP	0		
	R3503	1-218-990-81	SHORT CHIP	0		
	R3504	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
	R3505	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
	R3506	1-218-990-81	SHORT CHIP	0		
	R3507	1-218-990-81	SHORT CHIP	0		
	R3508	1-218-990-81	SHORT CHIP	0		
	R3509	1-218-990-81	SHORT CHIP	0		
	R3510	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
	R3516	1-218-933-11	METAL CHIP	22	5%	1/16W
	R3517	1-218-933-11	METAL CHIP	22	5%	1/16W
	R3518	1-218-933-11	METAL CHIP	22	5%	1/16W
	R3519	1-218-933-11	METAL CHIP	22	5%	1/16W
	R3523	1-218-973-11	METAL CHIP	47K	5%	1/16W
	R3524	1-218-973-11	METAL CHIP	47K	5%	1/16W
*	R3573	1-250-507-11	METAL CHIP	3.3K	1%	1/16W
	R3576	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
	R3578	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
	R3579	1-218-990-81	SHORT CHIP	0		
	R3583	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
	R3584	1-218-990-81	SHORT CHIP	0		
	R3585	1-218-990-81	SHORT CHIP	0		
	R3588	1-218-937-11	METAL CHIP	47	5%	1/16W
	R3589	1-218-937-11	METAL CHIP	47	5%	1/16W
	R3590	1-218-937-11	METAL CHIP	47	5%	1/16W
	R3591	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R3593	1-218-953-11	METAL CHIP	1K	5%	1/16W
	R3597	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
	R3598	1-218-929-11	METAL CHIP	10	5%	1/16W
	R3599	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
	R3600	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
	R3601	1-218-929-11	METAL CHIP	10	5%	1/16W
	R3602	1-218-990-81	SHORT CHIP	0		
	R3606	1-216-864-11	SHORT CHIP	0		
	R3616	1-218-937-11	METAL CHIP	47	5%	1/16W
	R3618	1-218-941-81	METAL CHIP	100	5%	1/16W
	R3619	1-216-864-11	SHORT CHIP	0		
	R3620	1-218-937-11	METAL CHIP	47	5%	1/16W
	R3621	1-218-945-11	METAL CHIP	220	5%	1/16W
	R3622	1-216-864-11	SHORT CHIP	0		
	R3623	1-218-937-11	METAL CHIP	47	5%	1/16W
	R3624	1-218-989-11	METAL CHIP	1M	5%	1/16W
	R3625	1-218-949-11	METAL CHIP	470	5%	1/16W
	R3626	1-218-937-11	METAL CHIP	47	5%	1/16W
	R3627	1-218-937-11	METAL CHIP	47	5%	1/16W
	R3628	1-218-937-11	METAL CHIP	47	5%	1/16W
	R3629	1-218-937-11	METAL CHIP	47	5%	1/16W
	R3632	1-216-864-11	SHORT CHIP	0		
	R3636	1-218-990-81	SHORT CHIP	0		
	R3637	1-218-937-11	METAL CHIP	47	5%	1/16W
	R3640	1-216-864-11	SHORT CHIP	0		
	R3643	1-216-864-11	SHORT CHIP	0		
	R3644	1-216-864-11	SHORT CHIP	0		

	Ref. No.	Part No.	Description			Remark
	R3645	1-216-864-11	SHORT CHIP	0		
	R3646	1-216-864-11	SHORT CHIP	0		
	R3722	1-218-953-11	METAL CHIP	1K	5%	1/16W
*	R3723	1-250-523-11	METAL CHIP	15K	1%	1/16W
	R3724	1-250-535-11	METAL CHIP	47K	1%	1/16W
	R3725	1-218-929-11	METAL CHIP	10	5%	1/16W
	R3726	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
	R3727	1-218-990-81	SHORT CHIP	0		
	R3728	1-218-990-81	SHORT CHIP	0		
	R3729	1-218-933-11	METAL CHIP	22	5%	1/16W
	R3730	1-218-933-11	METAL CHIP	22	5%	1/16W
	R3731	1-218-973-11	METAL CHIP	47K	5%	1/16W
	R3732	1-218-977-11	METAL CHIP	100K	5%	1/16W
	R3733	1-218-977-11	METAL CHIP	100K	5%	1/16W
	R3734	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R3737	1-218-953-11	METAL CHIP	1K	5%	1/16W
	R3739	1-218-953-11	METAL CHIP	1K	5%	1/16W
	R3741	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R5000	1-216-809-11	METAL CHIP	100	5%	1/10W
	R5001	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R5003	1-216-809-11	METAL CHIP	100	5%	1/10W
	R5004	1-216-801-11	METAL CHIP	22	5%	1/10W
	R5005	1-216-801-11	METAL CHIP	22	5%	1/10W
	R5007	1-218-990-81	SHORT CHIP	0		
	R5008	1-216-809-11	METAL CHIP	100	5%	1/10W
	R5009	1-216-809-11	METAL CHIP	100	5%	1/10W
	R5011	1-216-801-11	METAL CHIP	22	5%	1/10W
	R5012	1-216-801-11	METAL CHIP	22	5%	1/10W
	R5013	1-216-801-11	METAL CHIP	22	5%	1/10W
	R5014	1-216-801-11	METAL CHIP	22	5%	1/10W
	R5015	1-216-801-11	METAL CHIP	22	5%	1/10W
	R5016	1-216-809-11	METAL CHIP	100	5%	1/10W
	R5017	1-216-801-11	METAL CHIP	22	5%	1/10W
	R5018	1-216-801-11	METAL CHIP	22	5%	1/10W
	R5019	1-216-801-11	METAL CHIP	22	5%	1/10W
	R5020	1-216-801-11	METAL CHIP	22	5%	1/10W
	R5021	1-216-809-11	METAL CHIP	100	5%	1/10W
	R5022	1-216-813-11	METAL CHIP	220	5%	1/10W
	R5023	1-216-809-11	METAL CHIP	100	5%	1/10W
	R5024	1-216-801-11	METAL CHIP	22	5%	1/10W
	R5025	1-216-809-11	METAL CHIP	100	5%	1/10W
	R5026	1-216-801-11	METAL CHIP	22	5%	1/10W
	R5027	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R5028	1-216-809-11	METAL CHIP	100	5%	1/10W
	R5029	1-216-801-11	METAL CHIP	22	5%	1/10W
	R5030	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R5031	1-216-811-11	METAL CHIP	150	5%	1/10W
	R5035	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R5036	1-218-941-81	METAL CHIP	100	5%	1/16W
	R5037	1-218-941-81	METAL CHIP	100	5%	1/16W
	R5038	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R5039	1-218-941-81	METAL CHIP	100	5%	1/16W
	R5040	1-218-941-81	METAL CHIP	100	5%	1/16W
	R5041	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R5042	1-216-811-11	METAL CHIP	150	5%	1/10W
	R5043	1-218-941-81	METAL CHIP	100	5%	1/16W
	R5044	1-218-941-81	METAL CHIP	100	5%	1/16W
	R5045	1-218-941-81	METAL CHIP	100	5%	1/16W
	R5046	1-218-941-81	METAL CHIP	100	5%	1/16W
	R5047	1-218-941-81	METAL CHIP	100	5%	1/16W

MAIN **POWER**

Ref. No.	Part No.	Description			Remark
R5048	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5049	1-218-941-81	METAL CHIP	100	5%	1/16W
R5051	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5052	1-216-864-11	SHORT CHIP	0		
R5053	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5054	1-218-943-11	METAL CHIP	150	5%	1/16W
R5055	1-218-943-11	METAL CHIP	150	5%	1/16W
R5056	1-216-801-11	METAL CHIP	22	5%	1/10W
R5057	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R5058	1-216-801-11	METAL CHIP	22	5%	1/10W
R5059	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5060	1-218-990-81	SHORT CHIP	0		
R5061	1-218-990-81	SHORT CHIP	0		
R5062	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5063	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5064	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5065	1-216-811-11	METAL CHIP	150	5%	1/10W
R5066	1-216-811-11	METAL CHIP	150	5%	1/10W
R5067	1-216-811-11	METAL CHIP	150	5%	1/10W
R5068	1-216-801-11	METAL CHIP	22	5%	1/10W
R5069	1-216-801-11	METAL CHIP	22	5%	1/10W
R5070	1-216-801-11	METAL CHIP	22	5%	1/10W
R5072	1-218-977-11	METAL CHIP	100K	5%	1/16W
R5074	1-218-953-11	METAL CHIP	1K	5%	1/16W
R5075	1-218-943-11	METAL CHIP	150	5%	1/16W
R5078	1-216-801-11	METAL CHIP	22	5%	1/10W
R5079	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5080	1-216-801-11	METAL CHIP	22	5%	1/10W
R5081	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5082	1-216-801-11	METAL CHIP	22	5%	1/10W
R5084	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5101	1-216-809-11	METAL CHIP	100	5%	1/10W
R5102	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5103	1-218-941-81	METAL CHIP	100	5%	1/16W
R5108	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5500	1-218-941-81	METAL CHIP	100	5%	1/16W
R5501	1-218-945-11	METAL CHIP	220	5%	1/16W
R5502	1-218-941-81	METAL CHIP	100	5%	1/16W
R5506	1-216-805-11	METAL CHIP	47	5%	1/10W
R5507	1-216-805-11	METAL CHIP	47	5%	1/10W
R5508	1-216-805-11	METAL CHIP	47	5%	1/10W
R5509	1-216-805-11	METAL CHIP	47	5%	1/10W
R5510	1-216-805-11	METAL CHIP	47	5%	1/10W
R5511	1-216-805-11	METAL CHIP	47	5%	1/10W
R5513	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5514	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5515	1-218-977-11	METAL CHIP	100K	5%	1/16W
R5516	1-218-977-11	METAL CHIP	100K	5%	1/16W
R5517	1-216-805-11	METAL CHIP	47	5%	1/10W
R5523	1-218-941-81	METAL CHIP	100	5%	1/16W
R5525	1-218-941-81	METAL CHIP	100	5%	1/16W
R5527	1-218-990-81	SHORT CHIP	0		
R5531	1-218-990-81	SHORT CHIP	0		
		< COMPOSITION CIRCUIT BLOCK >			
RB5000	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB5001	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB5002	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB5003	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB5004	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB5005	1-234-372-11	RES, NETWORK 100 (1005X4)			
		< VIBRATOR >			
X901	1-814-344-11	QUARTZ CRYSTAL UNIT (24.576 MHz)			
X1001	1-795-313-21	VIBRATOR, CERAMIC (8 MHz)			
X3501	1-814-345-11	QUARTZ CRYSTAL UNITS (27 MHz)			
X5000	1-814-242-11	VIBRATOR, CRYSTAL (25 MHz)			

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Ref. No.	Part No.	Description			Remark
	A-1917-935-A	POWER BOARD, COMPLETE (US, CND)			
	A-1917-937-A	POWER BOARD, COMPLETE (AEP, UK, AUS)			
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	3-077-331-11	+BV3 (3-CR)			
		< CAPACITOR >			
⚠ C501	1-114-594-21	FILM	0.22uF	10%	250V
⚠ C503	1-112-869-41	CERAMIC	470PF	10%	250V (AEP, UK, AUS)
⚠ C503	1-112-870-51	CERAMIC	0.001uF	20%	250V (US, CND)
⚠ C504	1-112-869-41	CERAMIC	470PF	10%	250V (AEP, UK, AUS)
⚠ C504	1-112-870-51	CERAMIC	0.001uF	20%	250V (US, CND)
⚠ C505	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
⚠ C507	1-162-927-91	CERAMIC CHIP	100PF	5%	50V
⚠ C508	1-114-594-21	FILM	0.22uF	10%	250V (AEP, UK, AUS)
⚠ C508	1-114-721-21	FILM	0.1uF	10%	250V (US, CND)
⚠ C509	1-116-819-51	CERAMIC	560PF	5%	1KV
⚠ C511	1-112-235-21	ELECT	330uF	20%	25V (AEP, UK, AUS)
⚠ C511	1-112-237-21	ELECT	560uF	20%	25V (US, CND)
⚠ C512	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
⚠ C513	1-112-867-51	CERAMIC	220PF	10%	250V (AEP, UK, AUS)
⚠ C513	1-112-869-41	CERAMIC	470PF	10%	250V (US, CND)
⚠ C514	1-162-968-91	CERAMIC CHIP	0.0047uF	10%	50V
⚠ C515	1-116-874-11	CERAMIC CHIP	10uF	10%	35V
⚠ C516	1-112-869-41	CERAMIC	470PF	10%	250V (US, CND)
⚠ C517	1-116-034-91	FILM	0.0033uF	5%	400V
⚠ C519	1-118-587-11	CAP, ELECT (390MF) (US, CND)			
⚠ C519	1-118-588-11	CAP, ELECT (130MF) (AEP, UK, AUS)			
⚠ C520	1-112-869-41	CERAMIC	470PF	10%	250V
C522	1-115-350-51	CERAMIC	0.0047uF		2KV (US, CND)
C524	1-112-235-21	ELECT	330uF	20%	25V
C525	1-118-345-11	CERAMIC CHIP	0.01uF	10%	25V
C526	1-114-994-11	ELECT	2200uF	20%	35V
C527	1-112-235-21	ELECT	330uF	20%	25V
C528	1-112-235-21	ELECT	330uF	20%	25V
C530	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V
C533	1-112-251-21	ELECT	470uF	20%	35V
C534	1-112-245-21	ELECT	47uF	20%	35V
C535	1-126-964-11	ELECT	10uF	20%	50V
⚠ C537	1-116-728-11	CERAMIC CHIP	2.2uF	10%	10V (US, CND)

POWER

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
⚠ CN501	1-564-321-11	PIN, CONNECTOR (3.96 mm PITCH) 2P	
CN503	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P	
		< DIODE >	
⚠ D501	8-719-083-71	DIODE UDZSUSTE-1730B	
⚠ D502	8-719-083-71	DIODE UDZSUSTE-1730B	
⚠ D504	8-719-074-75	DIODE PTZ-TE25-30B	
⚠ D507	6-503-036-01	DIODE DZ2J220M0L	
⚠ D508	6-503-032-01	DIODE DZ2J180M0L	
⚠ D511	8-719-077-77	DIODE D3SB60F3	
⚠ D512	6-503-030-01	DIODE DZ2J160M0L	
⚠ D513	6-501-119-01	DIODE RR264M-400	
⚠ D514	6-501-119-01	DIODE RR264M-400	
⚠ D516	6-502-997-01	DIODE CMF02 (T2L, SONY, Q)	
⚠ D517	6-503-731-01	DIODE SARS10	
⚠ D518	8-719-083-71	DIODE UDZSUSTE-1730B	
D519	6-503-458-01	DIODE RK49LF-T1	
D521	6-501-849-01	DIODE FMX-22SL	
		< FUSE >	
⚠ F502	1-523-088-11	FUSE (5 A/250 V)	
		< FUSE HOLDER >	
FH501	1-533-217-31	FUSE HOLDER	
FH502	1-533-217-31	FUSE HOLDER	
		< IC >	
⚠ IC501	6-716-855-01	IC STR-Y6766 (AEP, UK, AUS)	
⚠ IC501	6-720-460-01	IC STR-Y6735 (US, CND)	
IC502	6-711-947-01	IC MM1431CURE	
		< COIL >	
⚠ L501	1-460-618-11	COIL, LINE FILTER	
⚠ L502	1-460-618-11	COIL, LINE FILTER (AEP, UK, AUS)	
L505	1-421-918-11	COIL, CHOKE 10uH	
L506	1-460-612-11	COIL, CHOKE 2.2uH	
		< PHOTO COUPLER >	
⚠ PH502	6-600-276-01	PHOTO COUPLER PS2561AL1-1-V-W	
		< TRANSISTOR >	
⚠ Q501	8-729-056-46	TRANSISTOR 2SC5053T100Q	
		< RESISTOR >	
⚠ R501	1-216-864-91	SHORT CHIP 0	
⚠ R502	1-240-938-91	METAL 1.5M 5% 0.5W	F
⚠ R515	1-216-864-11	SHORT CHIP 0	
⚠ R516	1-216-793-91	METAL CHIP 4.7 5% 1/10W	
⚠ R517	1-257-117-11	METAL 0.33 5% 2W	F
⚠ R518	1-257-117-11	METAL 0.33 5% 2W	F
⚠ R519	1-216-793-91	METAL CHIP 4.7 5% 1/10W	
⚠ R520	1-218-855-91	METAL CHIP 2.2K 0.5% 1/10W	
⚠ R521	1-218-887-91	METAL CHIP 47K 0.5% 1/10W	
⚠ R522	1-218-881-91	METAL CHIP 27K 0.5% 1/10W	
⚠ R523	1-216-829-91	METAL CHIP 4.7K 5% 1/10W	
⚠ R525	1-216-845-91	METAL CHIP 100K 5% 1/10W	
⚠ R526	1-216-809-91	METAL CHIP 100 5% 1/10W	
⚠ R528	1-215-929-51	METAL OXIDE 100K 5% 3W	F

Ref. No.	Part No.	Description	Remark
⚠ R531	1-216-793-91	METAL CHIP 4.7 5% 1/10W	
⚠ R533	1-248-270-15	FUSIBLE 0.33 10% 1W	F
R534	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R535	1-216-864-11	SHORT CHIP 0	
R538	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R540	1-216-849-11	METAL CHIP 220K 5% 1/10W	
R541	1-216-864-11	SHORT CHIP 0	
R542	1-250-632-11	METAL CHIP 4.7K 1% 1/10W	
R543	1-250-628-11	METAL CHIP 3.3K 1% 1/10W	
R544	1-250-640-11	METAL CHIP 10K 1% 1/10W	
R545	1-250-652-11	METAL CHIP 33K 1% 1/10W	
R548	1-250-616-11	METAL CHIP 1K 1% 1/10W	
		< TRANSFORMER >	
⚠ T501	1-697-278-11	TRANSFORMER CONVERTER	
		< THERMISTOR >	
⚠ TH501	1-811-315-31	POWER THERMISTOR	
		< VARISTOR >	
⚠ VDR501	1-811-165-31	VARISTOR (TVR10471-D)	

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MISCELLANEOUS

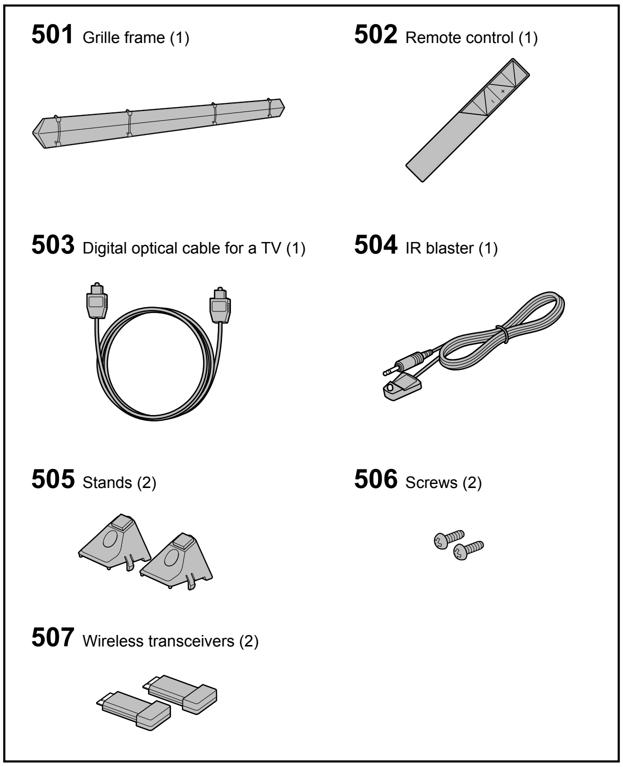
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Ref. No.	Part No.	Description	Remark
⚠ AC1	1-777-071-83	CORD, POWER (AEP, UK)	
⚠ AC1	1-835-068-21	CORD, POWER (AUS)	
⚠ AC1	1-837-308-11	CORD, POWER-SUPPLY (US, CND)	
BT1	1-490-558-61	BLUETOOTH MODULE	
⚠ CPA1	1-770-019-72	ADAPTOR, CONVERSION PLUG 3P (UK)	
⚠ F502	1-576-232-51	FUSE (H.B.C.) (T 5 AH/250 V)	
FFC1	9-833-605-97	WIRE KIT (B-FFC) (14 pin) (See Note)	
FFC2	9-833-605-97	WIRE KIT (B-FFC) (9 pin) (See Note)	
FFC3	9-833-605-97	WIRE KIT (B-FFC) (28 pin) (See Note)	
FFC4	9-833-605-97	WIRE KIT (B-FFC) (13 pin) (See Note)	
FFC5	9-833-605-97	WIRE KIT (B-FFC) (8 pin) (See Note)	
FFC6	9-833-605-97	WIRE KIT (B-FFC) (15 pin) (See Note)	
FFC7	9-833-605-97	WIRE KIT (B-FFC) (5 pin) (See Note)	
NFC1	8-989-470-00	RC-S801/A (NFC)	
SP1	1-858-867-12	LOUDSPEAKER (2 cm) (Tweeter) (L-ch)	
SP2	1-858-867-12	LOUDSPEAKER (2 cm) (Tweeter) (R-ch)	
SP3	1-858-869-21	LOUDSPEAKER (6.5 cm) (Woofer) (L-ch)	
SP4	1-858-869-21	LOUDSPEAKER (6.5 cm) (Woofer) (R-ch)	
SP5	1-858-869-11	LOUDSPEAKER (6.5 cm) (Surround) (L-ch)	
SP6	1-858-869-11	LOUDSPEAKER (6.5 cm) (Surround) (R-ch)	
SP7	1-858-869-11	LOUDSPEAKER (6.5 cm) (Surround Back) (L-ch)	
SP8	1-858-869-11	LOUDSPEAKER (6.5 cm) (Surround Back) (R-ch)	
SP9	1-858-869-11	LOUDSPEAKER (6.5 cm) (Center)	
SPC1	1-846-506-11	CABLE WITH CONNECTOR (GLAY/BLACK) (for L-ch)	
SPC2	1-846-506-21	CABLE WITH CONNECTOR (RED/BLACK) (for R-ch)	
SPC3	1-846-507-11	CABLE WITH CONNECTOR (4P) (for Surround L/R)	
SPC4	1-846-508-11	CABLE WITH CONNECTOR (6P) (for Center, Surround Back L/R)	

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Note: As for WIRE KIT (B-FFC), all flat flexible cables (Ref. No. FFC1, FFC2, FFC3, FFC4, FFC5, FFC6, FFC7) will be 1 set.

Ref. No.	Part No.	Description	Remark
		ACCESSORIES ************	
	4-463-413-12	MANUAL, INSTRUCTION (Operating Instructions)	(ENGLISH, FRENCH) (US, CND)
	4-463-413-22	MANUAL, INSTRUCTION (Operating Instructions)	(ENGLISH) (UK, AUS)
	4-463-413-32	MANUAL, INSTRUCTION (Operating Instructions)	(FRENCH, SPANISH, DUTCH) (AEP)
	4-463-413-42	MANUAL, INSTRUCTION (Operating Instructions)	(GERMAN, POLISH, ITALIAN) (AEP)
	4-463-414-11	GUIDE, REFERENCE (Reference Guide)	(ENGLISH, FRENCH) (US, CND)
	4-463-414-21	GUIDE, REFERENCE (Reference Guide)	(ENGLISH) (UK, AUS)
	4-463-414-31	GUIDE, REFERENCE (Reference Guide)	(FRENCH, SPANISH, DUTCH) (AEP)
	4-463-414-41	GUIDE, REFERENCE (Reference Guide)	(GERMAN, POLISH, ITALIAN) (AEP)
	4-475-315-11	MANUAL, INSTRUCTION (Operating Instructions)	(SWEDISH) (AEP)
	4-475-315-21	MANUAL, INSTRUCTION (Operating Instructions)	(DANISH, FINNISH) (AEP)
	4-475-315-31	MANUAL, INSTRUCTION (Operating Instructions)	(GREEK) (AEP)
	4-475-315-41	MANUAL, INSTRUCTION (Operating Instructions)	(TURKISH) (AEP)
	4-475-315-51	MANUAL, INSTRUCTION (Operating Instructions)	(SLOVAKIAN) (AEP)
	4-475-315-61	MANUAL, INSTRUCTION (Operating Instructions)	(HUNGARIAN, CZECH) (AEP)
	4-475-315-71	MANUAL, INSTRUCTION (Operating Instructions)	(PORTUGUESE) (AEP)
	4-475-316-11	GUIDE, REFERENCE (Reference Guide)	(SWEDISH) (AEP)
	4-475-316-21	GUIDE, REFERENCE (Reference Guide)	(DANISH, FINNISH) (AEP)
	4-475-316-31	GUIDE, REFERENCE (Reference Guide) (GREEK)	(AEP)
	4-475-316-41	GUIDE, REFERENCE (Reference Guide)	(TURKISH) (AEP)
	4-475-316-51	GUIDE, REFERENCE (Reference Guide)	(SLOVAKIAN) (AEP)
	4-475-316-61	GUIDE, REFERENCE (Reference Guide)	(HUNGARIAN, CZECH) (AEP)
	4-475-316-71	GUIDE, REFERENCE (Reference Guide)	(PORTUGUESE) (AEP)
501	A-1922-045-A	GRILLE ASSY (Grille frame)	
502	1-492-449-11	REMOTE COMMANDER (RM-ANU164)	(Remote control)
503	1-837-197-31	CORD, LIGHT PLUG (Digital optical cable for a TV)	
504	1-759-586-61	CONTROLLER, VIDEO (AV MOUSE) (IR blaster)	
505	X-2587-432-1	FOOT (ANGLE) ASSY (1 piece) (Stand)	
506	7-682-561-09	SCREW +B 4X8 (1 piece)	
507	1-489-359-11	RF MODULATOR (EZW-RT50 UC) (1 piece)	(Wireless transceiver) (AEP, UK)
507	1-489-360-11	RF MODULATOR (EZW-RT50 UC2) (1 piece)	(Wireless transceiver) (US, CND)
507	1-489-361-11	RF MODULATOR (EZW-RT50 AU) (1 piece)	(Wireless transceiver) (AUS)



MEMO

REVISION HISTORY

Ver.	Date	Description of Revision
1.0	2013.06	New

How to search for a contact point of signal lines or the like in DIAGRAMS SECTION
If a contact point of a BLOCK DIAGRAM, PRINTED WIRING BOARD or SCHEMATIC DIAGRAM is shown in a different page, use the PDF file search function to find one.

e.g.) If a contact point is shown as >001Z, follow the procedure below.

Procedure:

1. Press the [F] key while pressing the [Ctrl] key.
2. Input ">001Z" in the search box and press the [Enter] key.
3. The relevant part (page), where the contact point is shown, appears.

Note: If you still see the original page, press the [Enter] key again.